

Riverside County Agricultural Production

2009



This year's front and back covers highlight

A field of Sweet Corn growing in the June sun on a farm in the Palo Verde Valley, located in the eastern portion of the county. The pictures were taken by Megan Conley, Agricultural & Standards Investigator. Other pictures used throughout the report were submitted by departmental employees Dean Gottlieb and Bill Oesterlein.



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

JOHN SNYDER

Agricultural Commissioner
Sealer of Weights & Measures

A.G. Kawamura, Secretary
California Department of Food and Agriculture
And
The Honorable Board of Supervisors of Riverside County
Marion Ashley, Chairman, District V
Bob Buster, District I
John Tavaglione, District II
Jeff Stone, District III
John Benoit, District IV

I am pleased to submit the 2009 Agricultural Production Report for the acreage, yield, and gross valuation of agricultural crops and livestock in Riverside County.

This year's Agricultural Production Report represents a total gross valuation of \$1,015,755,300, which is a decrease of \$252.8 Million (19.9%) from the 2008 gross value. The gross value for **Agricultural Crops** was \$801,082,500, a decrease of \$146.4 Million (15.5%) from the previous year. The gross value of **Livestock and Poultry** production was \$214,672,800, a decrease of \$106.4 Million (33.1%) from the 2008 value.

For the sixth year in a row, **Nursery Stock** ranked as the top valued crop in the county even though **Nursery** production values decreased another \$23.9 Million (10.4%) from last year to 206.5 Million, while **Milk** production values decreased \$67.9 Million (36.2%) to 119.7 Million to remain in second place. Rounding out the top five crops in the County, **Table Grapes** increased \$24.5 Million (26.4%) to \$117.3 Million, **Egg** values decreased 34.7 Million (31.2%) to \$76.1 Million and **Bell Peppers** values decreased 0.7 Million (1.1%) to 68.0 Million.

A number of issues contributed to the lower values for 2009. For starters, 2007 and 2008 saw record production values. Water issues and the general economy finally caught up in 2009. More agricultural land was fallowed in the desert to defer water to residential consumers instead of crops. Marginal land in the desert, especially for oriental vegetables, was not irrigated. Fish farms were not able to afford the increase in water and electrical rates. In the Temecula area, avocado trees were stumped to avoid the reduced water allocation and subsequent higher water rates. The housing down turn had a continued negative affect of nursery stock sales. Milk prices fell significantly on weak prices and over production. Egg prices, while good, fell sharply from previous years' highs. Hay prices also fell back to more normal levels after record highs the previous year.

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. Leading agricultural economists agree that every dollar received by agriculturalists in Riverside County in 2009, has the financial impact of three and a half times that amount. Therefore, the total value of **\$1,015,733,500** represents a financial impact of more than **\$3,555,067,200** into the local and regional economy.

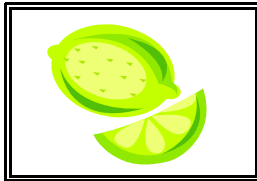
I wish to express my sincere appreciation to the producers, processors, and agencies that have generously provided the information necessary for the compilation of this report. I would also like to sincerely thank and recognize all of the members of my staff for their contributions toward the preparation of this report, with particular thanks and gratitude to Deputy Agricultural Commissioner/Sealer Bill Oesterlein for his leadership of this annual endeavor.

Respectfully submitted,

John Snyder
Agricultural Commissioner
Sealer of Weights & Measures

TABLE OF CONTENTS - 2009

CITRUS CROPS	1
TREE AND VINE CROPS	2
VEGETABLE, MELON AND MISCELLANEOUS CROPS	3-4
FIELD AND SEED CROPS	5-6
LIVESTOCK AND POULTRY	7
LIVESTOCK AND POULTRY PRODUCTS	7
AQUACULTURE	7
NURSERY STOCK PRODUCTION	8
APICULTURE	8
SUMMARIES –DISTRICT VALUATIONS, ACREAGE STATISTICS, TOTAL VALUES	9
PRODUCTION VALUES CHANGES 2008 TO 2009	10-11
AGRICULTURAL PRODUCTION VALUATION 2005-2009	12
MAJOR CROP TRENDS 2000-2009	13
RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS	14
CALIFORNIA’S LEADING AGRICULTURAL COUNTIES	14
COUNTY AGRICULTURAL PRODUCTION VALUES 1995-2009	15
MILLION DOLLAR COMMODITIES	16
PHYTOSANITARY EXPORT CERTIFICATION SUMMARY	17-18
SUSTAINABLE AGRICULTURE REPORTS	19-21
STAFF MEMBERS	22



CITRUS CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Value		
				Per Acre	Total	Unit	Per Unit	Total
Grapefruit-Red	2009	3,196	3,196	727	2,323,492	34 lbs	7.16	16,636,200
By-Products	2009			132	421,872		1.02	430,300
Grapefruit-Red	2008	3,180	3,180	968	3,078,240	34 lbs	6.09	18,746,500
By-Products	2008			138	438,840		0.71	311,600
Grapefruit-Ruby	2009	1,690	1,607	744	1,195,608	34 lbs	6.61	7,903,000
By-Products	2009			133	213,731		1.08	230,800
Grapefruit-Ruby	2008	1,937	1,851	924	1,710,324	34 lbs	7.38	12,622,200
By-Products	2008			183	338,733		0.93	315,000
Grapefruit-Other*	2009	225	225	812	182,700	34 lbs	7.61	1,390,300
By-Products	2009			214	48,150		0.99	47,700
Grapefruit-Other*	2008	281	281	537	150,897	34 lbs	7.85	1,184,500
By-Products	2008			129	36,249		0.60	21,700
Lemons	2009	5,832	5,817	805	4,682,685	38 lbs	11.10	51,977,800
By-Products	2009			108	628,236		1.56	980,000
Lemons	2008	5,814	5,747	664	3,816,008	38 lbs	17.61	67,199,900
By-Products	2008			116	666,652		1.39	926,600
Miscellaneous**	2009	278	101	5.96	602	tons	778.00	468,300
Miscellaneous**	2008	67	67	6.79	455	tons	942.00	428,500
Oranges-Navel	2009	1,233	1,233	552	680,616	37.5 lbs	7.94	5,404,100
By-Products	2009			192	236,736		0.66	156,200
Oranges-Navel	2008	1,453	1,323	476	629,748	37.5 lbs	11.58	7,292,500
By-Products	2008			147	194,481		0.94	182,800
Oranges-Valencia	2009	2,442	2,410	233	561,530	37.5 lbs	6.93	3,891,400
By-Products	2009			242	583,220		1.97	1,148,900
Oranges-Valencia	2008	2,411	2,360	307	724,520	37.5 lbs	11.49	8,324,700
By-Products	2008			283	667,880		3.34	2,230,700
Royal Mandarins	2009	132	40	400	16,000	37.5 lbs	18.00	288,000
By-Products	2009			175	7,000		2.24	15,700
Royal Mandarins	2008	56	56	401	22,456	37.5 lbs	10.49	235,600
By-Products	2008			90	5,040		2.15	10,800
Tangelos	2009	469	439	518	227,402	30 lbs	11.72	2,665,200
By-Products	2009			81	35,559		1.83	65,100
Tangelos	2008	418	401	420	168,420	30 lbs	9.85	1,658,900
By-Products	2008			99	39,699		2.02	80,200
Tangerines	2009	1,858	1,758	410	720,780	25 lbs	10.61	7,647,500
By-Products	2009			139	244,362		1.25	305,500
Tangerines	2008	2,074	1,960	562	1,101,520	25 lbs	12.40	13,658,800
By-Products	2008			134	262,640		1.25	328,300
TOTAL	2009	17,355	16,826					101,652,000
	2008	17,691	17,226					135,759,800

* Includes: White, Star.

** Includes: Kumquats, Limes, Oranges-Blood, Tangerine/Mandarin-Gold Nugget, Minneola, Murcott.



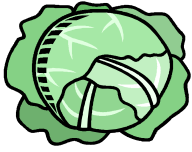
TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production			Value	
				Per Acre	Total	Unit	Per Unit	Total
Apples	2009	31	31	15	465	40 lbs	7.00	3,300
	2008	32	32	75	2,400	40 lbs	10.00	24,000
Apricots	2009	14	14	100	1,400	20 lbs	18.00	25,200
	2008	14	14	250	3,500	20 lbs	11.00	38,500
Avocados	2009	7,733	6,933	170	1,178,610	26 lbs	25.18	29,677,400
	2008	8,036	7,960	216	1,719,360	26 lbs	23.16	39,820,400
Cherries	2009	23	23	Frost damage				-
	2008	26	26	350	9,100	18 lbs	25.00	227,500
Dates	2009	8,974	5,700	3.37	19,209	tons	1,721.00	33,058,700
Culls	2009			0.29	1,653	tons	69.00	114,100
Dates	2008	8,266	5,224	3.96	20,687	tons	1,554.00	32,147,700
Culls	2008			0.27	1,410	tons	64.00	90,300
Grapes - Table* (Total)	2009	8,514	7,797	Listed by Variety below.				117,315,400
	2008	8,791	8,571					92,843,300
Beauty Seedless	2009	154	154	606	93,324	18 lbs	24.28	2,265,900
	2008	176	176	805	141,680	18 lbs	17.90	2,536,100
Exotic	2009	176	176	1,155	203,280	18 lbs	16.40	3,333,800
	2008	None						
Flame Seedless	2009	4,119	3,972	819	3,253,068	18 lbs	19.26	62,654,100
	2008	4,470	4,350	856	3,723,600	18 lbs	13.34	49,672,800
Perlette	2009	303	303	449	136,047	18 lbs	21.33	2,901,900
	2008	621	621	609	378,189	18 lbs	13.16	4,977,000
Thompson Seedless	2009	468	468	629	294,372	18 lbs	17.03	5,013,200
	2008	633	633	700	443,100	18 lbs	13.53	5,995,100
Other Varieties	2009	3,294	2,724	739	2,013,036	18 lbs	20.44	41,146,500
	2008	2,891	2,791	789	2,202,099	18 lbs	13.47	29,662,300
Grapes - Wine	2009	1,948	1,891	3.45	6,524	tons	1,086.00	7,085,000
	2008	2,365	2,165	1.85	4,005	tons	1,121.00	4,489,900
Miscellaneous**/***	2009	605	504	4.15	2,092	tons	1,784.00	3,731,400
	2008	719	400	5.33	2,132	tons	1,478.00	3,151,100
Peaches	2009	113	113	329	37,177	22 lbs	16.80	624,600
	2008	111	105	299	31,395	22 lbs	19.28	605,300
Pears	2009	15	15	Frost Damage				-
	2008	16	16	200	3,200	22 lbs	15.00	48,000
Persimmons	2009	9	9	440	3,960	24 lbs	12.00	47,500
	2008	32	32	400	12,800	24 lbs	15.00	192,000
TOTAL	2009	27,979	23,030					191,682,600
	2008	28,408	24,545					173,678,000

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

** Includes: Figs, Guava, Jojoba, Mangoes, Nectarines, Olives, Plums, Pomegranates, Raisins, Walnuts, Other.

*** No Harvest: Almonds.



VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Artichokes	2009	759	577	437,943	23 lbs	12.15	5,321,000
	2008	757	488	369,416	23 lbs	18.92	6,989,400
Beans-Green	2009	1,025	378	387,450	30 lbs	19.41	7,520,400
	2008	1,055	411	433,605	30 lbs	17.33	7,514,400
Broccoli	2009	3,164	523	1,654,772	23 lbs	7.88	13,039,600
	2008	2,613	528	1,379,664	23 lbs	8.03	11,078,700
Cabbage	2009	119	546	64,974	50 lbs	8.15	529,500
	2008	158	710	112,180	50 lbs	5.50	617,000
Carrots	2009	2,146	48	103,008	tons	134.00	13,803,100
	2008	2,689	702	1,887,678	26 lbs	5.51	10,401,100
Cauliflower	2009	1,644	731	1,201,764	23 lbs	9.55	11,476,800
	2008	1,287	628	808,236	23 lbs	8.78	7,096,300
Celery	2009	412	1,165	479,980	60 lbs	12.23	5,870,200
	2008	254	1,124	285,496	60 lbs	9.66	2,757,900
Corn-Sweet	2009	2,630	356	936,280	45 lbs	11.42	10,692,300
	2008	2,543	365	928,195	45 lbs	10.31	9,569,700
Eggplant	2009	353	1,152	406,656	20 lbs	8.43	3,428,100
	2008	364	1,003	365,092	20 lbs	9.50	3,468,400
Lettuce Head	2009	999	574	573,426	50 lbs	9.50	5,447,500
	2008	877	581	509,537	50 lbs	6.15	3,133,700
Loose Leaf	2009	302	1,891	571,082	22 lbs	5.66	3,232,300
	2008	1,270	1,099	1,395,730	22 lbs	8.06	11,249,600
Romaine	2009	968	754	729,872	35 lbs	10.90	7,955,600
	2008	2,484	845	2,098,980	35 lbs	8.65	18,156,200
Melons Cantaloupe	2009	756	572	432,432	40 lbs	6.26	2,707,000
	2008	939	584	548,376	40 lbs	6.91	3,789,300
Crenshaw	2009	73	353	25,769	29 lbs	7.21	185,800
	2008	159	698	110,982	29 lbs	6.22	690,300
Honeydew	2009	972	798	775,656	29 lbs	4.33	3,358,600
	2008	1,021	1,035	1,056,735	29 lbs	5.86	6,192,500
Mixed	2009	415	638	264,770	33 lbs	7.05	1,866,600
	2008	1,229	723	888,567	33 lbs	6.59	5,855,700



VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Melons							
Watermelon	2009	1,358	34	45,900	tons	268.00	12,301,300
	2008	1,438	49	71,037	tons	266.00	18,895,900
Miscellaneous*	2009	2,032	12	24,384	tons	475.00	11,582,400
	2008	1,859	11	20,263	tons	605.00	12,259,200
Onions-Green	2009	48	1,002	48,096	35 lbs	4.48	215,500
	2008	237	632	149,784	35 lbs	12.53	1,876,800
Oriental Vegetables	2009	729	9	6,422	tons	766.00	4,919,600
	2008	2,545	7	17,535	tons	1,082.00	18,972,900
Peppers							
Bell	2009	4,270	1,187	5,068,490	30 lbs	13.42	68,019,100
	2008	4,448	1,094	4,866,112	30 lbs	14.13	68,758,200
Potatoes							
Fall	2009	1,746	130	226,980	100 lbs	11.87	2,694,300
	2008	992	248	246,016	100 lbs	21.65	5,326,200
Spring	2009	1,768	196	346,528	100 lbs	15.88	5,502,900
	2008	3,626	187	678,062	100 lbs	19.17	12,998,400
Radishes	2009	61	784	47,824	35 lbs	5.85	279,800
	2008	235	1,267	297,745	35 lbs	3.45	1,027,200
Spices/Herbs	2009	798	1,066	850,668	28 lbs	5.22	4,440,500
	2008	1,175	1,150	1,351,250	28 lbs	5.19	7,013,000
Spinach	2009	767	1,069	819,923	30 lbs	9.41	7,715,500
	2008	1,133	838	949,454	30 lbs	6.34	6,019,500
Squash, All	2009	125	6	704	tons	807.00	567,900
	2008	209	7	1,377	tons	415.00	571,600
Strawberries	2009	249	2,500	622,500	8 lbs	5.65	3,517,100
	2008	280	986	276,080	12 lbs	8.10	2,236,200
Tomatoes	2009	214	3,237	692,718	11 lbs	4.47	3,096,400
	2008	266	509	135,394	20 lbs	14.03	1,899,600
TOTAL							
	2009	30,902					221,286,700
	2008	38,142					266,414,900

* Includes: Anise, Arugula, Asparagus, Blueberries, Broccoli-Chinese, Cabbage-Chinese, Cabbage-Napa, Carrots-processing, Celery-Chinese, Chard, Chives, Cilantro, Cucumbers, Daikon, Dandelion, Dill, Endive, Escarole, Fennel, Garlic, Greens-Collard, Greens-mixed, Kale, Kohlrabi, Leeks, Mustard, Okra, Parsley, Pumpkins, Rutabaga, Spinach-Chinese, Tomatoes-Cherry, Turnips, Watermelons-mini, Other.



FIELD AND SEED CROPS

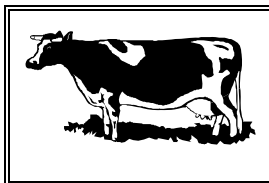
	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Cotton							
Short Staple	2009	7,000	5.00	35,000	500 lbs	250.00	8,750,000
	2008	13,300	4.10	54,530	500 lbs	250.00	13,632,500
Seed	2009		1.80	12,600	tons	150.00	1,890,000
	2008		1.50	19,950	tons	150.00	2,992,500
Grain							
Barley	2009	367	4.00	1,468	tons	200.00	293,600
	2008		None		tons		
Oats	2009	27	0.14	4	tons	320.00	1,200
	2008		Miscellaneous				
Wheat	2009	13,393	1.07	14,331	tons	194.00	2,780,100
	2008	20,564	1.60	32,902	tons	293.00	9,640,400
Hay							
Alfalfa	2009	48,267	8.50	410,270	tons	110.00	45,129,600
	2008	55,988	7.90	442,305	tons	179.00	79,172,600
Barley	2009		None				
	2008		Miscellaneous				
Bermuda Grass	2009	2,050	5.10	10,455	tons	112.00	1,171,000
	2008	1,505	6.70	10,084	tons	195.00	1,966,300
Four Way	2009	376	3.50	1,316	tons	125.00	164,500
	2008		None				
Klein Grass	2009	2,607	8.50	22,160	tons	105.00	2,326,700
	2008	2,943	8.60	25,310	tons	140.00	3,543,400
Oats	2009	2,843	2.60	7,392	tons	105.00	776,100
	2008	1,571	1.00	1,571	tons	153.00	240,400
Sudan	2009	2,204	5.10	11,240	tons	123.00	1,382,600
	2008	4,788	4.60	22,025	tons	144.00	3,171,600
Teff Grass	2009	327	7.50	2,453	tons	150.00	367,900
	2008						
Wheat	2009		None				
	2008	200	1.00	200.00	tons	80.00	16,000
Miscellaneous*	2009		None				
	2008	244	3.00	732	tons	100.00	73,200
Pasture-Irrigated	2009	2,744		2,744	acres	118.00	323,800
	2008	15,907		15,907	acres	114.00	1,813,400
Rangeland	2009	25,000		25,000	acres	2.00	50,000
	2008	25,000		25,000	acres	4.00	100,000



FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Silage and Green Chop							
Alfalfa	2009	1,028	48.00	49,344	tons	30.00	1,480,300
	2008	1,153	47.00	54,191	tons	40.00	2,167,600
Barley	2009	318	4.20	1,336	tons	24.50	32,700
	2008		None				
Corn	2009	913	22.20	20,269	tons	45.00	912,100
	2008	957	25.00	23,925	tons	50.00	1,196,300
Oats	2009	729	5.40	3,937	tons	18.50	72,800
	2008	646	7.50	4,845	tons	33.00	159,900
Sorghum	2009	1,226	14.50	17,777	tons	40.00	711,100
	2008	1,127	19.00	21,413	tons	50.00	1,070,700
Sudan	2009	85	18.20	1,547	tons	24.00	37,100
	2008		None				
Triticale	2009	2,363	9.50	22,449	tons	30.00	673,500
	2008		Miscellaneous				
Wheat	2009	3,273	2.85	9,328	tons	40.00	373,100
	2008	7,793	9.50	74,034	tons	33.00	2,443,100
TOTAL	2009	117,140					69,699,800
	2008	153,933					123,545,400

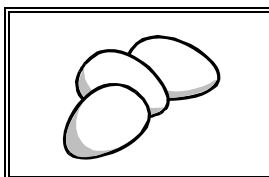
* Includes: Grain-Oats, Hay-Barley.



LIVESTOCK AND POULTRY

	Year	Number of Head	Total Liveweight	Unit	Value	
					Per Unit	Total
Cattle and Calves	2009	38,783	205,260	cwt	66.96	13,744,200
	2008	43,773	232,245	cwt	68.22	15,843,800
Sheep and Lambs	2009	30,274	14,769	cwt	109.00	1,609,800
	2008	12,700	20,800	cwt	56.00	1,164,800
Other Livestock*	2009			various		2,750,000
	2008			various		5,750,400
TOTAL	2009					\$18,104,000
	2008					22,759,000

* Includes Baby Chicks, Chickens, Ducks, Pheasants

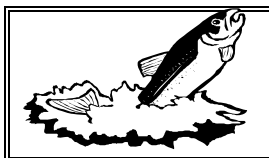


LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Unit	Value	
				Per Unit	Total
Eggs	2009	104,214,000	dozen	0.73	76,076,200
	2008	114,004,000	dozen	0.97	110,583,900
Milk*	2009	10,158,947	cwt	11.78	119,672,400
	2008	11,016,061	cwt	17.03	187,603,500
Other Products**	2009				820,200
	2008				114,500
TOTAL	2009				\$196,568,800
	2008				298,301,900

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

**Includes Wool, Manure.



AQUACULTURE

	Year	Production	Unit	Value	
				Per Unit	Total
Catfish	2009	209,107	lbs	2.50	522,800
	2008	322,643	lbs	2.18	703,400
Miscellaneous*	2009		various		854,000
	2008		various		4,887,500
Tilapia	2009	1,597,978	lbs	2.42	3,867,100
	2008	2,845,074	lbs	2.28	6,486,800
Total	2009				\$5,243,900
	2008				12,077,700

* Includes Goldfish, Koi, Tropical Fish, Bass



NURSERY STOCK PRODUCTION

	Year	Acres	Production	Unit	Valuation
Ornamental Nursery Stock	2009	4,789	47,839,166	various	162,801,100
	2008	5,109	60,005,152	various	190,845,600
Cut Flowers and Cut Greens	2009	287	640,790	cuttings	2,449,400
	2008	127	3,648,020	cuttings	3,025,400
Ground Cover, Liners, Transplants	2009	Ornamental Nursery Stock			
	2008	Ornamental Nursery Stock			
Christmas Trees (cut)	2009	30	3,000	each	125,000
	2008	62	7,800	each	273,000
Turf	2009	3,431	139,186,360	square feet	33,784,300
	2008	2,475	107,811,000	square feet	25,699,700
Farm Planting Stock	2009	153	738,142	various	7,340,100
	2008	214	457,982	various	10,572,500
TOTAL	2009	8,690			\$206,499,900
	2008	7,987			230,416,200



APICULTURE

	Year	Production	Unit	Value	
				Per	
				Unit	Total
Honey	2009	590,990	lbs	1.31	774,200
	2008	900,800	lbs	1.30	1,171,000
Beeswax	2009	11,500	lbs	2.28	26,200
	2008	37,650	lbs	2.00	75,300
Queen Cells	2009	600	each	16.00	9,600
	2008	1,500	each	15.00	22,500
Fees Collected for Pollination	2009	31,400	colonies	134.00	4,207,600
	2008	30,980	colonies	141.00	4,368,200
Total Colonies	2009	52,300			
	2008	26,500			
TOTAL	2009				\$5,017,600
	2008				5,637,000

DISTRICT VALUATIONS - AGRICULTURAL CROPS

District	2005	2006	2007	2008	2009
Riverside/Corona	114,774,700	97,897,700	118,897,000	100,431,600	82,565,100
San Jacinto/Temecula Valley	174,613,400	184,517,700	194,148,400	165,022,400	130,157,200
Coachella Valley	503,523,700	483,174,000	486,898,900	503,782,700	484,825,900
Palo Verde Valley	99,360,000	90,534,900	112,961,900	165,870,000	92,796,900
Total Crop Valuation	892,271,800	856,124,300	912,906,200	935,106,700	790,345,100

ACREAGE STATISTICS

Crop	2005	2006	2007	2008	2009
Citrus	20,675	18,568	19,401	17,691	17,355
Tree and Vine	28,610	27,501	28,417	28,408	27,979
Vegetable, Melons, Misc.	35,615	34,057	37,278	38,142	30,902
Field and Seed	138,948	125,311	118,373	153,784	117,140
Nursery	8,138	10,782	10,581	7,987	8,690
Total Planted Acreage	231,986	216,219	214,050	246,012	202,066

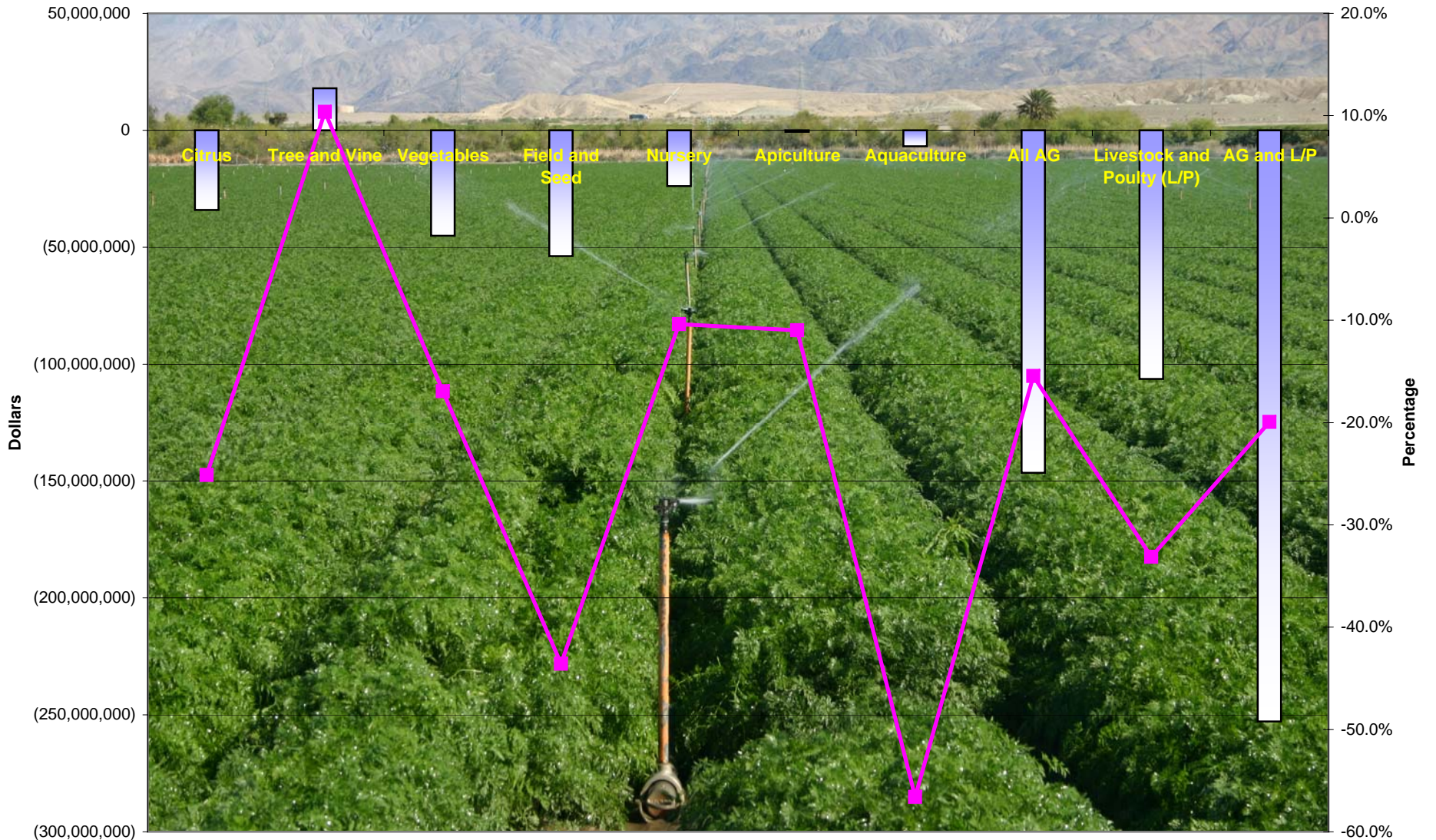
TOTAL VALUATION - F.O.B.

Crop	2005	2006	2007	2008	2009
Citrus	138,244,700	107,897,000	121,387,100	135,759,800	101,652,000
Tree and Vine*	188,553,200	191,321,200	189,286,500	173,678,000	191,682,600
Vegetable, Melons, Misc.	261,019,500	213,643,300	234,854,700	266,414,900	221,286,700
Field and Seed	77,687,300	68,611,700	94,492,000	123,545,400	69,699,800
Nursery	229,210,200	270,992,800	272,326,200	230,416,200	206,499,900
Apiculture	2,736,800	3,554,300	3,948,900	5,637,000	5,017,600
Aquaculture	13,367,300	11,514,700	9,829,200	12,077,700	5,243,900
Total Crop	910,819,000	867,535,000	926,124,600	947,529,000	801,082,500
Livestock and Poultry	257,852,100	234,903,400	338,938,600	321,060,900	214,672,800
GRAND TOTAL	1,168,671,100	1,102,438,400	1,265,063,200	1,268,589,900	1,015,755,300

Value Changes 2008 to 2009

<u>Crop</u>	<u>Value</u>		<u>Value Change (\$)</u>	<u>Value Change (%)</u>
	<u>2009</u>	<u>2008</u>		
Citrus	101,652,000	135,759,800	(34,107,800)	-25.1%
Tree and Vine	191,682,600	173,678,000	18,004,600	10.4%
Vegetables	221,286,700	266,414,900	(45,128,200)	-16.9%
Field and Seed	69,699,800	123,545,400	(53,845,600)	-43.6%
Nursery	206,499,900	230,416,200	(23,916,300)	-10.4%
Apiculture	5,017,600	5,637,000	(619,400)	-11.0%
Aquaculture	5,243,900	12,077,700	(6,833,800)	-56.6%
All AG	801,082,500	947,529,000	(146,446,500)	-15.5%
Livestock and Poultry (L/P)	214,672,800	321,060,900	(106,388,100)	-33.1%
AG and L/P	1,015,755,300	1,268,589,900	(252,834,600)	-19.9%

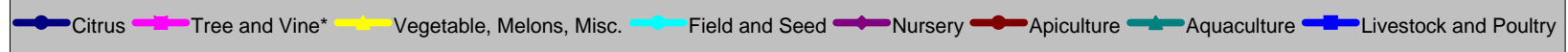
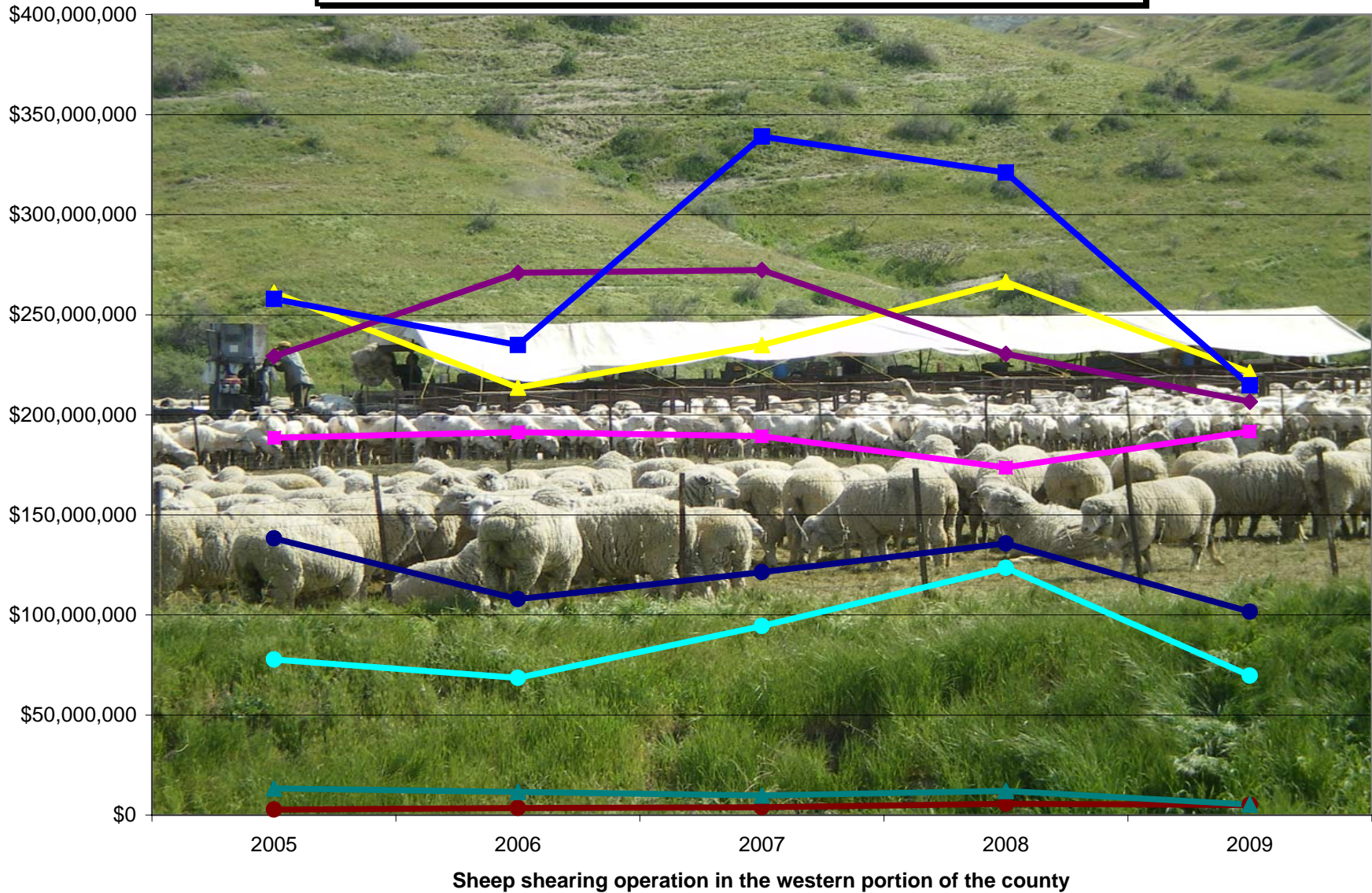
Production Value Changes - Major Crops - 2008 to 2009



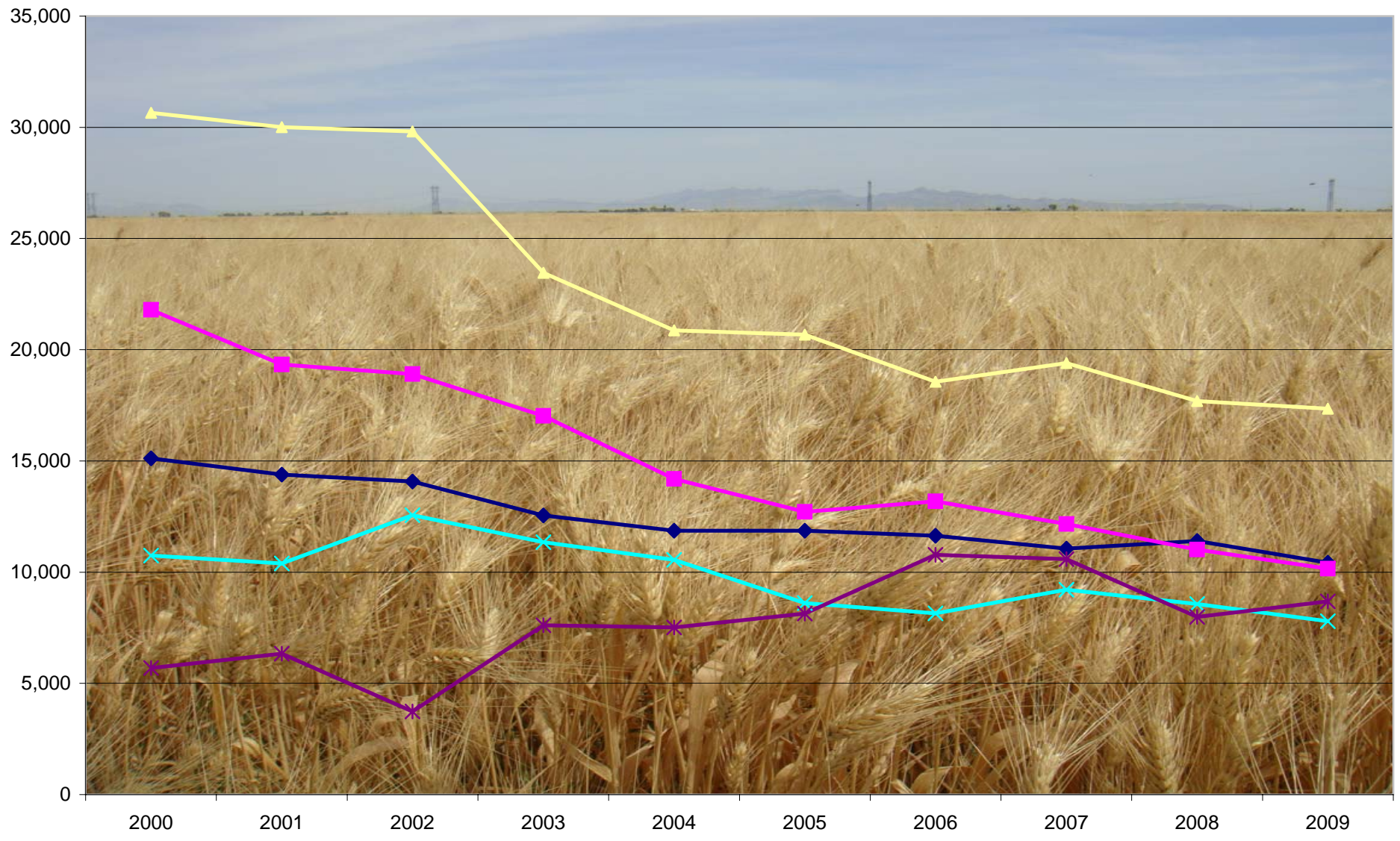
Carrot field in the Coachella Valley

Value Change (\$) Value Change (%)

Agricultural Production Valuation by Crop Type 2005-2009



Major Crop Trends 2000-2009



Wheat field in the Palo Verde Valley



RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS

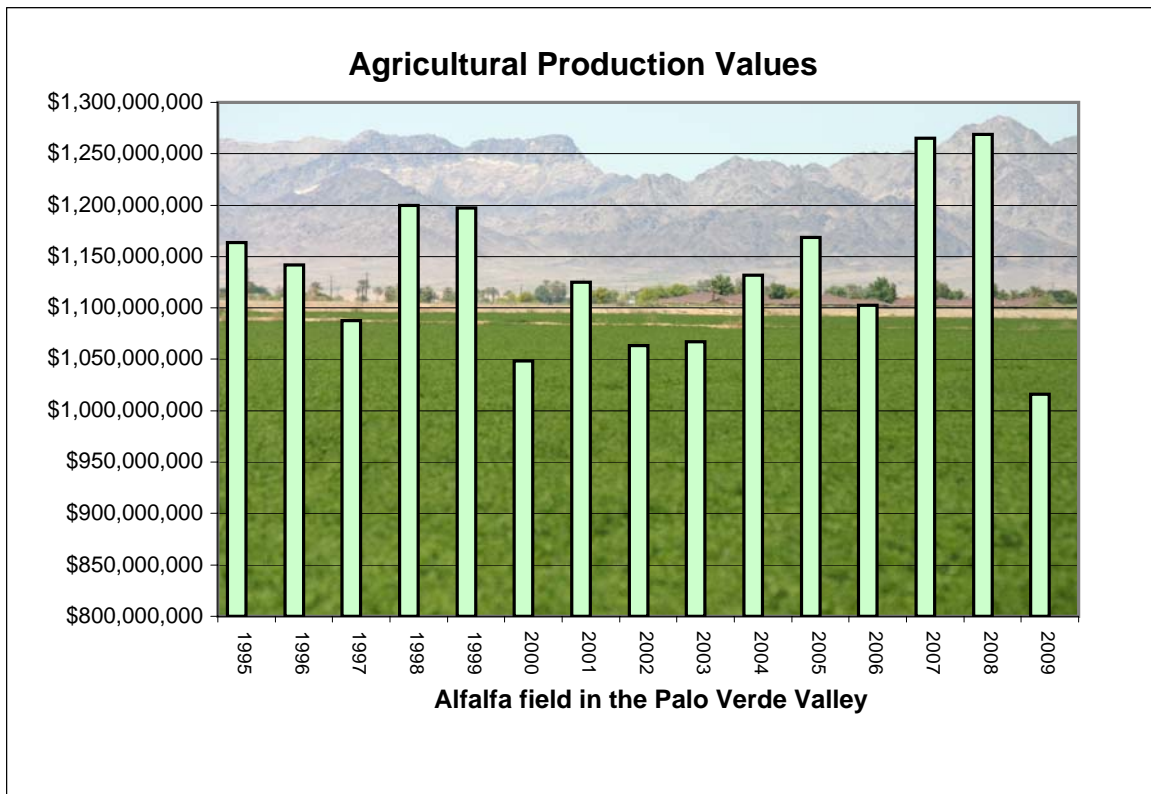
		<u>2008</u>			<u>2009</u>
1	Nursery Stock	\$ 230,416,000	1	Nursery Stock	\$206,499,900
2	Milk	187,603,500	2	Milk	119,672,400
3	Eggs	110,583,900	3	Grapes, Table	117,315,400
4	Grapes, Table	92,843,300	4	Eggs	76,076,200
5	Hay	88,110,300	5	Peppers, Bell	68,019,100
6	Peppers, Bell	68,758,200	6	Lemons	52,957,800
7	Lemons	68,126,500	7	Hay	51,318,400
8	Avocados	39,820,400	8	Dates	33,172,800
9	Grapefruit	33,201,500	9	Avocados	29,677,400
10	Dates	32,238,000	10	Grapefruit	26,638,300
11	Oriental Vegetables	18,972,900	11	Carrots	13,803,100
12	Watermelons	18,895,900	12	Cattle/Calves	13,744,200
13	Potatoes	18,324,600	13	Broccoli	13,039,600
14	Lettuce, Romaine	18,156,200	14	Watermelons	12,301,300
15	Cotton	16,625,000	15	Vegetable, miscellaneous	11,582,400
16	Tangerines/Mandarins	15,972,600	16	Cauliflower	11,476,800
17	Cattle/Calves	15,843,800	17	Tangerines/Mandarins	10,987,000
18	Vegetable, miscellaneous	12,259,200	18	Corn, Sweet	10,692,300
19	Aquaculture	12,077,700	19	Cotton	10,640,000
20	Lettuce, Loose Leaf	11,249,600	20	Potatoes	8,197,200

CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

<u>RANK</u>	<u>COUNTY</u>	<u>2006</u>	<u>COUNTY</u>	<u>2007</u>	<u>COUNTY</u>	<u>2008</u>
		<u>VALUE (\$)</u>		<u>VALUE (\$)</u>		<u>VALUE (\$)</u>
1	Fresno	4,843,392,000	Fresno	5,345,352,000	Fresno	5,669,527,000
2	Tulare	3,870,843,000	Tulare	4,873,743,000	Tulare	5,017,955,000
3	Monterey	3,489,923,000	Kern	4,092,107,000	Kern	4,032,830,000
4	Kern	3,476,801,000	Monterey	3,823,287,000	Monterey	3,829,123,000
5	Merced	2,284,457,000	Merced	3,001,667,000	Merced	2,972,698,000
6	Stanislaus	2,148,152,000	Stanislaus	2,412,339,000	Stanislaus	2,463,787,000
7	San Joaquin	1,684,871,000	San Joaquin	2,005,185,000	San Joaquin	2,129,812,000
8	Ventura	1,505,588,000	Kings	1,761,852,000	Kings	1,760,168,000
9	San Diego	1,461,476,000	Ventura	1,547,263,000	Imperial	1,684,522,000
10	Imperial	1,307,615,000	San Diego	1,536,260,000	Ventura	1,611,091,000
11	Kings	1,289,186,000	Imperial	1,369,147,000	San Diego	1,552,102,000
12	Riverside	1,102,438,000	Riverside	1,265,063,000	Madera	1,310,789,000
13	Madera	1,032,500,000	Madera	1,219,297,000	Riverside	1,268,590,000

RIVERSIDE COUNTY AGRICULTURAL PRODUCTION VALUES 1995-2009

<u>YEAR</u>	<u>VALUE</u>	<u>STATE RANKING</u>
1995	\$1,163,430,300	7
1996	\$1,141,819,800	8
1997	\$1,087,920,000	9
1998	\$1,199,506,700	8
1999	\$1,197,362,000	9
2000	\$1,048,561,600	9
2001	\$1,124,908,400	9
2002	\$1,063,478,000	11
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	



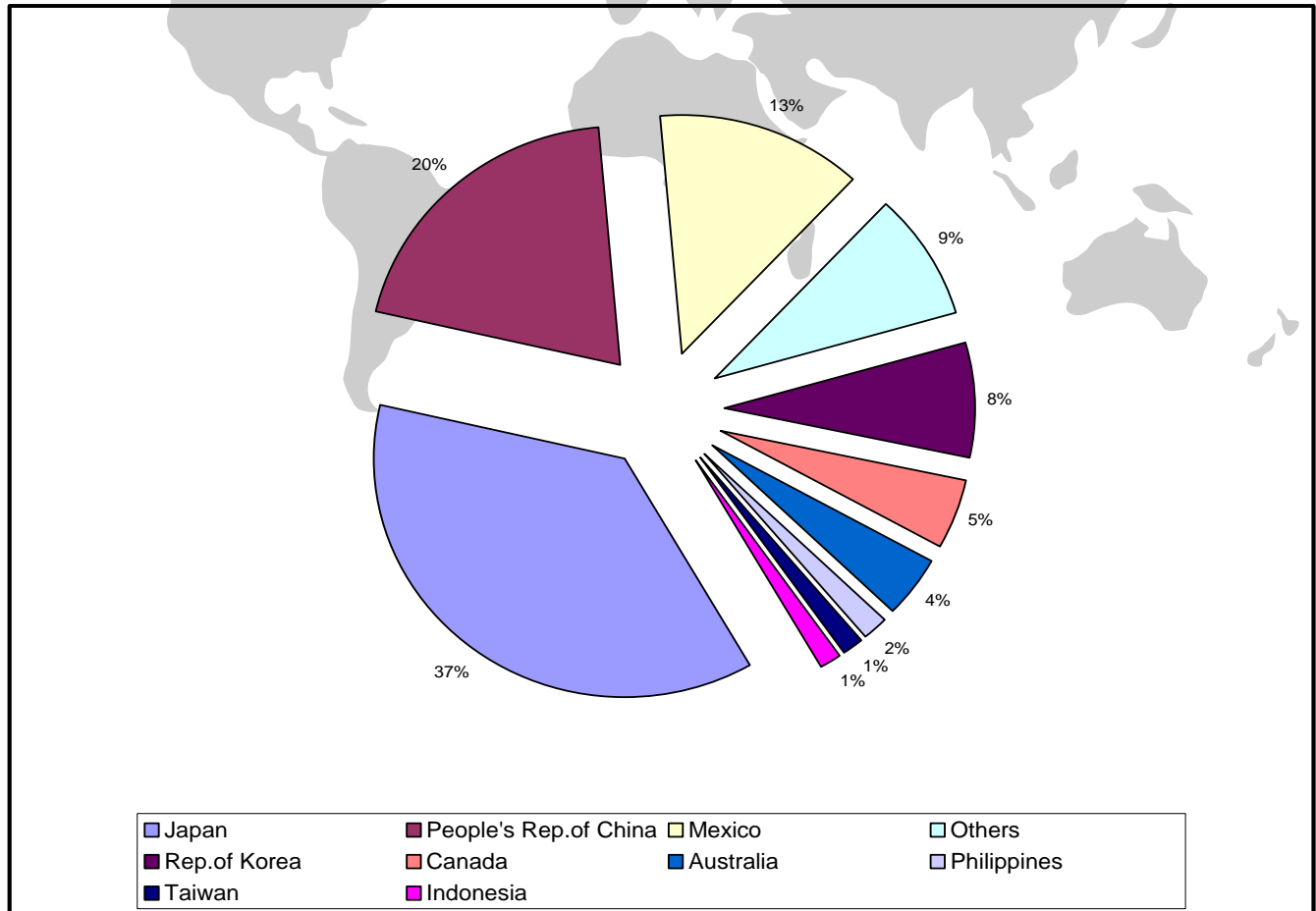
2009 Million Dollar Commodities

<u>2009 Rank</u>	<u>Commodity</u>	<u>2008 Rank</u>	<u>2009 Value</u>
1	Nursery Stock	1	\$206,499,900
2	Milk	2	119,672,400
3	Grapes, Table	4	117,315,400
4	Eggs	3	76,076,200
5	Peppers, Bell	6	68,019,100
6	Lemons	7	52,957,800
7	Hay	5	51,318,400
8	Dates	10	33,172,800
9	Avocados	8	29,677,400
10	Grapefruit	9	26,638,300
11	Carrots	23	13,803,100
12	Cattle/Calves	17	13,744,200
13	Broccoli	21	13,039,600
14	Watermelons	12	12,301,300
15	Vegetable, miscellaneous	18	11,582,400
16	Cauliflower	28	11,476,800
17	Tangerines/Mandarins	16	10,987,000
18	Corn, Sweet	25	10,692,300
19	Cotton	15	10,640,000
20	Potatoes	13	8,197,200
21	Lettuce, Romaine	14	7,955,600
22	Spinach	33	7,715,500
23	Beans, Green	26	7,520,400
24	Grapes, Wine	37	7,085,000
25	Celery	42	5,870,200
26	Oranges, Navel	27	5,560,300
27	Lettuce, Head	41	5,447,500
28	Artichokes	31	5,321,000
29	Aquaculture	19	5,243,900
30	Apiculture	36	5,243,900
31	Oranges, Valencia	22	5,040,300
32	Oriental Vegetables	11	4,919,600
33	Spices/Herbs	30	4,440,500
34	Silage/Green Chop	29	4,292,700
35	Tree/Vine, miscellaneous	40	3,731,400
36	Strawberries	43	3,517,100
37	Eggplant	39	3,428,100
38	Melons, Honeydew	32	3,358,600
39	Lettuce, Loose Leaf	20	3,232,300
40	Tomatoes	44	3,096,400
41	Grain	24	3,074,900
42	Other Livestock	35	2,750,000
43	Melons, Cantaloupe	38	2,707,000
44	Melons, mixed	34	1,866,600
45	Sheep/Lambs	47	1,609,800

PHYTOSANITARY EXPORT CERTIFICATION – 2009

All Export Countries

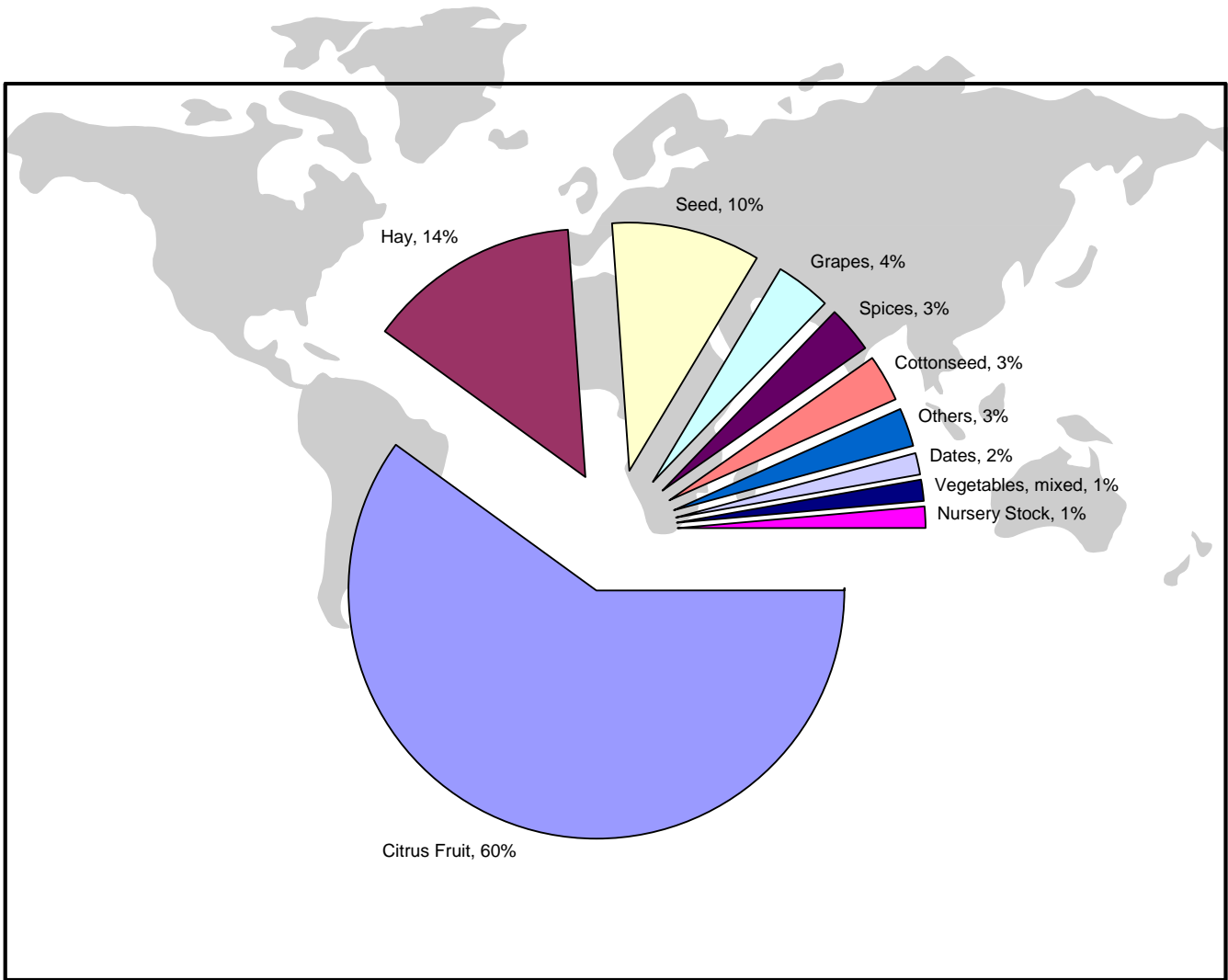
- | | | | |
|--------------|--------------------|------------------------|----------------------|
| Angola | Costa Rica | Japan | Rwanda |
| Argentina | Cyprus | Lebanon | Senegal |
| Australia | Denmark | Malaysia | Sierra Leone |
| Austria | Dominican Republic | Mexico | Singapore |
| Bahamas | Ecuador | Morocco | Spain |
| Bahrain | Egypt | Netherlands | Sri Lanka |
| Bangladesh | El Salvador | New Zealand | Sudan |
| Belize | France | Pakistan | Switzerland |
| Belguim | French Polynesia | Panama | Taiwan |
| Bermuda | Guatemala | People's Rep. of China | Thailand |
| Brazil | Hong Kong | Peru | United Arab Emirates |
| Burkina Faso | India | Philippines | United Kingdom |
| Cambodia | Indonesia | Puerto Rico | Vietnam |
| Canada | Israel | Qatar | |
| Chile | Italy | Republic of Korea | |
| Columbia | Jamaica | Russian Federation | |



PHYTOSANITARY EXPORT CERTIFICATION – 2009

All Commodities Certified

Avocado Budwood	Dill	Lettuce	Potatoes
Citrus Budwood	Dates	Melons	Seed
Citrus Fruit	Grain	Mixed Fruit	Spices
Citrus Leaves	Grapes	Nursery Stock	Straw
Corn, processed	Hay	Pepper Seed	Vegetables, mixed
Cottonseed	Lentils	Peppers	



SUSTAINABLE AGRICULTURE - 2009

ORGANIC FARMING

124 Organic producers registered in Riverside County.

PEST DETECTION (Commercial and Urban)

<u>Activity</u>	<u>Hours</u>
Commercial Crops	796.0
Public Contact	139.5
Special Surveys:	
Tristeza (Residential)	0
Other	17.0
Red Imported Fire Ant	49.0

	<u>Numbers</u>
Citrus Tristeza Indexing (Coachella Valley)	
Commercial	
Properties tested	5
Acres sampled	148.5
Samples tested biochemically	844
“Positive” samples	0
Residential	
Properties tested	0
Trees surveyed	0
Samples tested biochemically	0
“Positive” samples	0

PEST DETECTION (Exotic Insects)

<u>Pest</u>	<u>Trap Servicings</u>
European Corn Borer	86
Gypsy Moth	58
Khapra Beetle	33
Asian Citrus Psyllid	1485
Light Brown Apple Moth	570

PEST EXCLUSION (Incoming plant shipments)

<u>Units profiled</u>	<u>Units inspected</u>	<u>Rejections</u>
16,013	3,772	133

PEST ABATEMENT/ HOLD NOTICES

<u>Pest</u>	<u>Properties</u>
California Red Scale	2
Sting Nematode	6
Citrus Tristeza Virus	0
Glassy-Winged Sharpshooter	0
Abandoned Orchards/Vineyards	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>Encarsia 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>Encarsia sp.</i> (wasp)
Eucalyptus Long-horned Borer	<i>Cryptochaetum iceryae</i> (fly)
Mosquitoes	<i>Avetianella longoi</i> (wasp)
	<i>Jarra phoracantha</i> (wasp)
	<i>Syngaster lepidus</i> (wasp)
Olive Fruit Fly	<i>Bacillus thur. israelensis</i> (bacterium)
Persea Mite	<i>Gambusia affinis</i> (fish)
	<i>Psytalia concolor</i> (wasp)
	<i>Galendromus annectens</i> (pred. mite)
	<i>Galendromus helveolus</i> (pred. mite)
	<i>Galendromus pilosus</i> (pred. mite)
	<i>Psyllaephagus bliteus</i> (wasp)
Red Gum Lerp	
Psyllid	
Red Imported Fire Ant	<i>Beauveria bassiana</i> (fungus)
Two Spotted Spider Mite	<i>Pseudacteon tricuspis</i> (fly)
Vine Mealybug	<i>Phytoseiulus persimilis</i> (pred. mite)
Western Grapeleaf Skeletonizer	<i>Galendromus occidentalis</i> (pred. mite)
Woolly Whitefly	<i>Cryptolaemus montrouzieri</i> (beetle)
	<i>Ametadoria harrisinae</i> (parasitoid)
	<i>Apanteles harrisinae</i> (wasp)
	<i>Amitus spiniferus</i> (parasitoid)
	<i>Cales noacki</i> (parasitoid)
Brown Garden Snail	<i>Rumina decollate</i> (pred. 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.

2009 Pest Interceptions

Scientific Name	Common Name (If any)	Pest Rating	# of Interceptions
<i>Solenopsis invicta</i>	Red Imported Fire Ant	A	6
<i>Fusarium oxysporum</i>	Palm Wilt Disease	A	3
<i>Bactrocera oleae</i>	Olive Fruit Fly	A	1
<i>Lymantria dispar</i>	Gypsy Moth	A	1
<i>Pseudaulacaspis cockerelli</i>	Magnolia White Scale	A	1
<i>Selenothrips rubrocinctus</i>	Redbanded Thrip	A	1
<i>Aonidiella aurantii</i>	California Red Scale	B	10
<i>Bagrada hilaris</i>	Bagrada Bug	B	3
<i>Homalodisca vitripennis</i>	Glassy-Winged Sharpshooter	B	3
<i>Elytrigia repens</i>	Quackgrass	B	2
<i>Scantius aegypticus</i>	A Pyrrhocorid Bug	B	2
<i>Harrisina metallica</i>	Western Grapeleaf Skeletonizer	B	1



2009 Pest Interceptions

<i>Genus unidentified</i>	Unidentifiable	Q	20
<i>Pseudaulacaspis brimblecombei</i>	An Armored Scale	Q	2
<i>Technomyrmex albipes</i>	White Footed Ant	Q	2
<i>Aleurotulus anthuricola</i>	Anthurium Whitefly	Q	1
<i>Cyperus sp.</i>	A Sedge	Q	1
<i>Dicerca callosa</i>	A Wood Borer	Q	1
<i>Dichromothrips sp.</i>	A Thrip	Q	1
<i>Eupteryx decemnotata</i>	Ligurian Leafhopper	Q	1
<i>Eupteryx sp.</i>	A Leafhopper	Q	1
<i>Fiorinia coronata</i>	An Armored Scale	Q	1
<i>Fiorinia sp.</i>	A Scale	Q	1
<i>Microsphaera berberidis</i>	Powdery Mildew of Mahonia	Q	1
<i>Milviscutulus mangiferae</i>	Mango Shield Scale	Q	1
<i>Monomorium sp.</i>	An Ant	Q	1
<i>Pheidole megacephala</i>	Bigheaded Ant	Q	1
<i>Pheidole sp.</i>	An Ant	Q	1
Virus	Tomato Yellow Leaf Curl	Q	1

Pest Interceptions – Summary 2006 thru 2009

Year	Total	A	B	Q
2009	72	13	21	38
2008	131	58	39	34
2007	72	7	22	43
2006	93	13	36	44

“A” is an organism of known economic importance subject to state (or agricultural commissioner) enforcement action.

“B” is an organism of known economic importance subject to enforcement action at the discretion of the agricultural commissioner.

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

STAFF MEMBERS – 2009

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/Sealers

Ron Bray
Robert Mulherin
Bill Oesterlein

Renee Reid
Bill Tracy

Supervising Agricultural & Standards Investigators

Don Domenigoni
Erin Freeman
Dean Gottlieb

Suzanne Nickau
Keith Selnick

Agricultural & Standards Investigators

Rick Allert
Megan Barron
Dennis Blackman
Lena Canada
Lucy Candelario
Jennifer Chandler
Ven Chien
Courtney Cooper

Andrea Dillon
Kevin Doi
Tom Finan
Julius Francisco
Gabriel Gowman
Charles Hardesty
Tom Hought
Ting Hsiung

Yadira Jimenez
Delia Jimenez-Cioc
Charles Kregl
Mike Lahti
Brian Larson
Jeremy Larson
Arturo Lomeli
Harry Loukatos

Janice Mattson
Michelle Millunzi
Victor Miranda
Jose Quintero
Hugo Soto
Andria Thomas
Michele Tracy
Josh Zaida

Weights and Measures Inspectors

Steve Bennett
Doug Simmons

Agricultural Inspector

Mike Dishman

Clerical Support Staff

Kelly Briggs
Emerson Leavitt
Elisa Monteil

Cynthia Ramos
Veronica Sanchez
Toinye Williams

Riverside County Agricultural Commissioner
PO Box 1089
Riverside, CA 92502-1089

