

COUNTY OF RIVERSIDE

2002

AGRICULTURAL PRODUCTION REPORT





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Sealer of Weights & Measures

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And

The Honorable Board of Supervisors of Riverside County

John Tavaglione, Chairman, District II

Bob Buster, District I
Roy Wilson, District IV

Jim Venable, District III
Tom Mullen, District V

I am pleased to submit the 2002 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 \$1,063,478,300, which is a decrease of \$61,430,100 from the 2001 gross value. The gross value for agricultural crops was \$767,549,400, an increase of \$10,224,500 from the previous year. The value of livestock and poultry production was \$295,928,700, a decrease of \$71,654,800 from the 2001 value.

It must be emphasized that this report reflects a gross return and in no way represents a measure of profit or loss to the producer. Leading agricultural economists agree that every dollar received by farmers in Riverside County in 2002, has the financial impact of three times that amount. Therefore, \$1,063,478,300 becomes over \$3,190,434,000 revenue generated into the local economy.

I wish to express my sincere appreciation to the producers, processors and agencies who have provided the information necessary for the compilation of this report. I would also like to express my gratitude to all the members off my staff, particularly Dustin Wiley, for his dedicated contribution toward the preparation of this report.

Respectfully submitted,

John Snyder
Agricultural Commissioner
Sealer of Weights and Measures

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CITRUS CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Grapefruit-Ruby	2002	5,269	4,931	696	3,431,976	34 lbs	6.40	\$ 21,964,600
By-Products	2002			225	1,109,475		0.11	122,000
Grapefruit-Ruby	2001	5,698	5,360	698	3,741,280	34 lbs	6.47	24,206,100
By-Products	2001			490	2,626,400		0.06	157,600
Grapefruit-White	2002	1,746	1,528	419	640,232	34 lbs	5.18	3,316,400
By-Products	2002			222	339,216		0.30	101,800
Grapefruit-White	2001	1,746	1,528	377	8576,056	34 lbs	5.12	2,949,400
By-Products	2001			403	615,784		0.45	277,100
Kumquats	2002	43	43	495	21,285	10 lbs	14.45	307,600
	2001	43	43	250	10,750	10 lbs	6.00	64,500
Lemons	2002	7,694	7,049	428	3,016,972	38 lbs	10.39	31,346,300
By-Products	2002			168	1,184,232		0.51	604,000
Lemons	2001	7,298	6,616	581	3,843,896	38 lbs	15.80	60,733,600
By-Products	2001			295	1,951,720		0.98	1,912,700
Limes	2002	53	53	565	29,945	40 lbs	11.84	354,500
	2001	47	47	538	25,286	40 lbs	10.00	252,900
Oranges-Navel	2002	5,919	3,793	461	1,748,573	37.5 lbs	9.72	16,996,100
By-Products	2002			283	1,073,419		0.30	322,000
Oranges-Navel	2001	5,919	3,793	548	2,078,564	37.5 lbs	7.71	16,025,700
By-Products	2001			293	1,111,349		0.25	277,800
Oranges-Valencia	2002	6,582	3,758	311	1,168,738	37.5 lbs	8.20	9,583,700
By-Products	2002			331	1,243,898		0.85	1,057,300
Oranges-Valencia	2001	6,779	3,955	370	1,463,350	37.5 lbs	8.71	12,745,800
By-Products	2001			296	1,170,680		0.73	854,600
Royal Mandarins	2002	300	300	402	120,600	37.5 lbs	6.08	733,200
By-Products	2002			173	51,900		0.33	17,100
Royal Mandarins	2001	480	480	450	216,000	37.5 lbs	8.00	1,728,000
By-Products	2001			90	43,200		1.88	78,200
Tangelos	2002	704	319	307	97,933	30 lbs	7.93	776,600
By-Products	2002			27	8,613		0.34	2,900
Tangelos	2001	580	376	431	162,056	30 lbs	10.87	1,761,500
By-Products	2001			168	63,168		0.15	9,500
Tangerines	2002	1,508	1,390	652	906,280	25 lbs	8.29	7,513,100
By-Products	2002			291	404,490		0.70	283,100
Tangerines	2001	1,421	1,393	476	663,068	25 lbs	9.06	6,007,400
By-Products	2001			127	176,911		1.01	178,700
TOTAL	2002	29,818	23,164					\$95,402,300
	2001	30,011	23,591					130,221,100

TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Apples	2002	67	67	85	5,695	40 lbs	11.47	\$ 65,300
	2001	86	86	103	8,858		11.79	104,400
Avocados	2002	7,785	7,199	200	1,439,800	26 lbs	25.30	36,426,900
	2001	7,160	6,863	183	1,255,929		28.00	35,166,000
Cherries	2002	31	27	80	2,160	18 lbs	36.00	77,800
	2001	27	26	50	1,300		29.00	37,700
Dates	2002	5,940	3,440	4.14	14,242	tons	2,633.00	37,499,200
Culls	2002			0.36	1,238		66.00	81,700
Dates	2001	5,507	3,507	4.04	14,168	tons	2,637.00	37,361,000
Culls	2001			0.44	1,543		66.24	102,200
Grapes - Table								
Beauty Seedless	2002	253	253	585	148,005	18 lbs	15.02	2,223,000
	2001	226	226	657	148,482		15.98	2,372,700
Exotic	2002	67	67	799	53,533	18 lbs	15.73	842,100
	2001	33	33	630	20,790		7.04	146,400
Flame Seedless	2002	5,883	5,883	675	3,971,025	18 lbs	12.87	51,107,100
	2001	4,369	4,369	774	3,381,606		13.05	44,130,000
Perlette	2002	3,081	3,081	516	1,589,796	18 lbs	12.19	19,379,600
	2001	2,785	2,785	824	2,294,840		12.77	29,305,100
Thompson Seedless	2002	1,860	1,860	638	1,186,680	18 lbs	14.52	17,230,600
	2001	1,732	1,732	948	1,641,936		8.30	13,628,100
Other Varieties	2002	1,415	1,415	652	922,580	18 lbs	14.15	13,054,500
	2001	1,243	1,243	879	1,092,597		16.86	18,421,200
HARVESTED TABLE GRAPE ACREAGE SUPPLIED BY CALIFORNIA DESERT GRAPE ADMINISTRATIVE COMMITTEE								
Grapes - Wine	2002	1,288	1,250	4.16	5,200	tons	676.54	3,518,000
	2001	2,402	2,302	4.50	10,359		900.00	9,323,100
Miscellaneous*	2002	686	465	158	73,470	24 lbs	18.79	1,380,500
	2001	844	713	120	85,560		14.41	1,232,900
Peaches - Freestone	2002	56	53	223	11,819	22 lbs	10.31	121,900
	2001	81	65	192	12,480		12.74	159,000
Persimmons	2002	39	39	383	14,937	24 lbs	8.75	130,700
	2001	43	38	388	14,744		6.06	89,300
TOTAL	2002	28,451	25,099					\$183,138,900
	2001	26,538	23,988					191,579,100

* Apricots, Figs, Grape By-Products, Jojoba, Jujubee, Kiwis, Longan, Lychee, Mangos, Nectarines, Olives, Pears, Pecans, Pistachios, Plums, Pomegranates, and Walnuts.

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Artichokes	2002	798	594	474,012	23 lbs	9.65	\$ 4,574,200
	2001	844	1028	867,632		6.93	6,012,700
Beans-Green	2002	464	364	168,896	28 lbs	15.93	2,690,500
	2001	416	292	121,472		16.57	2,012,800
Broccoli	2002	2,815	545	1,534,175	23 lbs	9.22	14,145,100
	2001	3,011	559	1,683,149		6.37	10,721,700
Cabbage	2002	295	547	161,365	50 lbs	4.69	756,800
	2001	271	589	159,619		4.91	783,700
Carrots	2002	2,763	1,058	2,923,254	48 lbs	5.46	15,961,000
	2001	3,952	724	2,861,248		5.94	16,995,800
Cauliflower	2002	872	830	723,760	23 lbs	9.32	6,745,400
	2001	844	871	735,124		7.07	5,197,300
Celery	2002	343	1,224	419,832	60 lbs	7.33	3,077,400
	2001	267	1,261	336,687		8.05	2,710,300
Corn-Sweet	2002	2,004	325	651,300	45 lbs	6.82	4,441,900
	2001	2,154	371	799,134		7.50	5,993,500
Eggplant	2002	190	1,051	199,690	20 lbs	8.29	1,655,400
	2001	165	1,141	188,265		7.23	1,361,200
Lettuce Head	2002	1,178	442	520,676	50 lbs	7.56	3,936,300
	2001	1,783	401	714,983		6.19	4,425,700
Head-Bulk For Shredding	2002	1,176	7.70	9,055	1000 lbs	88.00	796,800
	2001	1,663	3.60	5,987		87.60	524,500
Loose Leaf	2002	2,368	1,065	2,521,920	22 lbs	10.48	26,429,700
	2001	2,877	844	2,428,188		7.59	18,429,900
Romaine	2002	1,741	897	1,561,677	35 lbs	10.83	16,913,000
	2001	1,462	891	1,302,642		8.15	10,616,500
Melons Cantaloupe	2002	3,015	474	1,429,110	40 lbs	5.57	\$ 7,960,100
	2001	3,876	507	1,965,132		5.86	11,515,700

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Melons							
Honeydew	2002	1,235	660	815,100	29 lbs	4.72	3,847,300
	2001	1,138	636	723,768		4.38	3,170,100
Miscellaneous	2002	1,231	366	450,546	33 lbs	6.55	2,951,100
	2001	929	345	320,505		5.91	1,894,200
Watermelon	2002	1,874	27.3	51,160	tons	234.22	11,982,700
	2001	1,914	26.9	51,487		200.00	10,297,400
Miscellaneous*	2002	1,493	580	865,940	28 lbs	8.88	7,689,500
	2001	1,170	280	327,600		15.96	5,228,500
Okra	2002	163	786	128,118	20 lbs	10.00	1,281,200
	2001	121	600	72,600		9.96	723,100
Onions							
Dry	2002	553	1,043	576,779	50 lbs	6.14	3,541,400
	2001	640	1,020	652,800		6.86	4,478,200
Oriental Vegetables	2002	1,343	1,066	1,431,638	28 lbs	9.41	13,471,700
	2001	2,885	720	2,077,200		6.24	12,961,700
Peppers							
Bell	2002	2,402	1,261	3,028,922	30 lbs	9.97	30,198,400
	2001	3,202	1,229	3,935,258		7.44	29,278,300
Chili	2002	95	1,681	159,695	10 lbs	2.25	359,300
	2001	15	906	13,590		8.64	117,400
Potatoes							
Fall	2002	982	298	292,636	100 lbs	14.94	4,372,000
	2001	1,860	226	420,360		8.66	3,640,300
Spring	2002	1,692	265	448,380	100 lbs	16.51	7,402,800
	2001	2,304	283	652,032		11.76	7,667,900
Pumpkins	2002	187	15.4	2,880	tons	158.41	456,200
	2001	101	20.8	2,101		105.18	221,000
Spinach	2002	1,125	1,100	1,237,500	30 lbs	7.93	9,813,400
	2001	1,054	945	996,030		12.27	12,221,300

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Squash							
Summer (misc. var.)	2002	376	705	265,080	28 lbs	6.28	\$ 1,664,700
	2001	330	655	216,150		5.92	1,279,600
Winter (misc. var.)	2002	70	604	42,280	40 lbs	8.78	371,200
	2001	70	364	25,480		4.06	103,400
Strawberries	2002	236	1,501	354,236	12 lbs	10.23	3,623,800
	2001	24	471	11,304		10.00	113,000
Tomatoes	2002	281	1,458	409,698	20 lbs	5.62	2,302,500
	2001	396	2,023	801,108		7.60	6,088,400
TOTAL	2002	35,360					\$215,412,800
	2001	41,459					196,785,100

*Anise, Beets, Chard (Green, Red), Cilantro, Cucumbers, Endive, Escarole, Fennel, Gailon, Garlic, Greens (Mustard, Collard), Herbs, Kale, Leeks, Onions (Green), Parsley, Peas, Radishes, Spices, and Turnips.

FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans-Dry	2002	Miscellaneous					
	2001	420	14.30	6,006	100 lbs	29.00	174,200
Cotton							
Short Staple	2002	9,091	3.24	29,455	500 lbs	300.00	8,836,500
	2001	16,473	3.07	50,572		250.00	12,643,000
Seed	2002		1.22	11,091	tons	130.00	1,441,800
	2001		1.22	20,097		110.00	2,210,700
Grain							
Barley	2002	216	2.45	529	tons	103.41	54,700
	2001	Miscellaneous					
Milo Maize	2002	332	2.00	664	tons	101.00	67,100
	2001	Miscellaneous					
Oats	2002	No Harvest due to drought					
	2001	None Reported					
Wheat	2002	5,727	3.00	17,181	tons	135.00	2,319,400
	2001	24,120	0.90	21,708		111.24	2,414,800

FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Hay							
Alfalfa	2002	58,379	8.80	513,735	tons	91.75	\$ 47,135,200
	2001	57,254	8.87	507,843		96.45	48,981,500
Barley	2002	1,017	1.00	1,017	tons	90.00	91,500
	2001	1,415	1.00	1,415		80.00	113,200
Bermuda Grass	2002	1,481	6.60	9,775	tons	80.00	782,000
	2001	1,676	5.90	9,888		76.00	751,500
Klein Grass	2002	2,421	9.00	21,789	tons	86.00	1,873,900
	2001	2,439	8.90	21,707		98.00	2,127,300
Oat	2002	1,238	1.82	2,253	tons	96.99	218,500
	2001	3,557	2.62	9,319		92.63	863,200
Sudan	2002	1,347	4.60	6,196	tons	81.00	501,900
	2001	2,089	5.48	11,448		86.31	988,100
Straw-Other	2002	567	1.50	851	tons	30.00	25,500
	2001	4,012	1.90	7,622		32.00	243,900
Miscellaneous*	2002	1,800	13.74	24,732	tons	39.05	965,800
	2001	2,939	4.20	12,343		78.82	972,900
Pasture-Irrigated	2002	15,500		15,500	acres	122.00	1,891,000
	2001	16,397		16,397		128.66	2,109,600
Rangeland	2002	40,000		40,000	acres	0.00	0
	2001	45,000		45,000		5.00	225,000
Silage and Green Chop							
Alfalfa	2002	4,256	28.85	122,786	tons	28.67	3,520,300
	2001	2,614	30.00	78,420		30.00	2,352,600
Barley	2002	1,430	8.46	12,098	tons	20.07	242,800
	2001	Miscellaneous					
Corn	2002	1,744	23.15	40,374	tons	29.31	1,183,400
	2001	1,315	30.00	39,450		29.77	1,174,400
Sudan	2002	90	16.67	1,500	tons	21.80	32,700
	2001	Miscellaneous					
Seed							
Bermuda Grass	2002	1,029	503.00	517,587	lbs	1.50	776,400
	2001	1,270	513.00	651,510		1.75	1,140,100
TOTAL							
	2002	147,665					\$71,960,400
	2001	187,045					80,215,900

* Beans (Dry), Forage (Green Chop), Oats (Green Chop), Onion Seed, Peanuts (Seed, Straw), Rye Grass (Hay), Safflower, Sorghum (Green Chop), Timothy Grass (Hay), and Wheat (Green Chop).

LIVESTOCK AND POULTRY

	Year	Number of Head	Total Liveweight	Unit	Value	
					Per Unit	Total
Cattle and Calves	2002	10,000	50,000	cwt	50.00	\$ 2,500,000
	2001	40,000	200,000		54.00	10,800,000
Sheep and Lambs	2002	59,000	67,180	cwt	66.02	4,435,200
	2001	90,120	82,724		48.60	4,020,400
Chickens (Spent Hens)	2002	3,520,000	12,672,000	lbs	0.000	0
	2001	3,595,350	12,943,260		0.001	12,900
Other Livestock*	2002	260,000	18,200	cwt	6.60	120,100
	2001	484,038	31,500		50.24	1,582,600
Chickens	2002	6,400,000 (annual average)				
	2001	6,537,000 (annual average)				
TOTAL	2002					\$ 7,055,300
	2001					16,415,900

*Ducks, Hogs, Rabbits, and Squab

LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Unit	Value	
				Per Unit	Total
Eggs*	2002	140,800,000	dozen	0.43	\$ 60,544,000
	2001	143,814,000		0.39	56,231,300
Milk**	2002	18,907,000	cwt	12.05	227,829,400
	2001	19,341,026		15.12	292,436,300
Other Products***	2002				500,000
	2001				2,500,000
TOTAL	2002				\$ 288,873,400
	2001				351,167,600

* Information Supplied by: University of California Cooperative Extension Services.

** Information Supplied by: California Agricultural Statistics Service.

*** Hides, Manure and Wool.

NURSERY STOCK PRODUCTION

	Year	Acres	Production	Unit	Valuation
Ornamental Nursery Stock	2002	2,730	16,158,792	various	\$ 133,088,900
	2001	2,450	15,693,753		94,015,800
Cut Flowers and Cut Greens	2002	293	2,405,000	cuttings	1,475,700
	2001	345	2,070,000		1,035,100
Christmas Trees (cut)	2002	121	3,068	each	96,900
	2001	85	15,500		415,400
Turf	2002	3,509	202,170,720	square feet	43,800,000
	2001	3,266	142,231,034		29,796,000
Farm Planting Stock	2002	83	583,500	various	4,612,100
	2001	184	356,775		13,109,000
TOTAL	2002	6,736			\$ 183,073,600
	2001	6,330			138,371,300

AQUACULTURE PRODUCTS

	Year	Production	Unit	Valuation
All Fish Includes Trout, Catfish, Tilapia	2002	7,407,983	lbs	\$ 15,757,600
	2001	6,871,214		15,412,400

APICULTURE

	Year	Production	Unit	Value	
				Per Unit	Total
Honey	2002	1,900,000	lbs	1.05	\$ 1,995,000
	2001	4,940,000		0.58	2,865,200
Beeswax	2002	47,000	lbs	1.00	47,000
	2001	123,500		1.25	154,400
Queen Cells	2002	1,200	queens	1.50	1,800
	2001	200		2.00	400
Fees Collected for Pollination	2002	20,000	colonies	38.00	760,000
	2001	40,000		43.00	1,720,000
Total Colonies	2002	21,000			
	2001	45,000			
TOTAL	2002				\$ 2,803,800
	2001				4,740,000

DISTRICT VALUATIONS - AGRICULTURAL CROPS

	1998	1999	2000	2001	2002
Riverside/Corona	\$ 38,383,900	\$ 31,464,000	\$ 31,203,800	\$ 49,707,800	\$ 84,200,000
San Jacinto/Temecula Valley	112,639,900	94,443,000	102,293,100	138,802,600	145,426,200
Coachella Valley	398,156,700	427,605,600	324,729,300	450,695,100	425,631,400
Palo Verde Valley	92,011,800	90,393,100	93,876,000	99,073,100	93,716,800

ACREAGE STATISTICS

	1998	1999	2000	2001	2002
Citrus	31,091	30,757	30,653	30,011	29,818
Trees and Vines	30,361	29,942	28,405	26,538	28,451
Vegetables, Melons, & Misc.	45,276	48,008	45,405	41,738	35,360
Field and Seed Crops	219,863	210,463*	163,861	187,045	147,665
Total Planted Acreage	326,591	319,170*	268,324	285,332	241,294

TOTAL VALUATION - F.O.B.

	1998	1999	2000	2001	2002
Citrus	\$110,869,900	\$118,236,100	\$114,572,900	\$130,221,100	\$95,402,300
Trees and Vines	248,126,600	224,383,600	177,390,100	191,579,100	183,138,900
Vegetables, Melons, & Misc.	204,511,200	238,001,400	193,720,100	196,785,100	215,412,800
Field and Seed Crops	77,180,200	64,554,300	66,921,500	80,215,900	71,960,400
Nursery	94,549,900	90,377,000	107,520,300	138,371,300	183,073,600
Apiculture	6,539,300	5,572,000	4,269,200	4,740,000	2,803,800
Aquaculture Products	10,431,000	16,006,800	17,174,700	15,412,400	15,757,600
Total Crop Valuation	\$752,208,100	\$757,131,200	\$681,568,800	\$757,324,900	\$767,549,400
Livestock & Poultry Valuation	447,298,600	440,230,900	366,992,800	367,583,500	295,928,700
GRAND TOTAL	\$1,199,506,700	\$1,197,362,100	\$1,048,561,600	\$1,124,908,400	\$1,063,478,300

* Revised

RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS

<u>2001</u>			<u>2002</u>		
1.	Milk	\$292,436,300	1.	Milk	\$227,829,400
2.	Nursery	138,371,300	2.	Nursery	183,073,600
3.	Grapes, Table	108,003,500	3.	Grapes, Table	103,836,900
4.	Lemons	62,646,300	4.	Eggs	60,544,000
5.	Eggs	56,231,300	5.	Hay, all	50,757,900
6.	Hay, all	53,483,600	6.	Dates	37,580,900
7.	Dates	37,463,200	7.	Avocados	36,426,900
8.	Avocados	35,166,000	8.	Lemons	31,950,300
9.	Peppers, Bell	29,278,300	9.	Peppers, Bell	30,198,400
10.	Grapefruit, Ruby & White	27,590,200	10.	Lettuce, Loose Leaf	26,429,700
11.	Lettuce, Loose Leaf	18,429,900	11.	Grapefruit, Ruby & White	25,504,800
12.	Carrots	16,995,800	12.	Oranges, Navel	17,318,100
13.	Oranges, Navel	16,303,500	13.	Lettuce, Romaine	16,913,000
14.	Aquaculture Products	15,412,400	14.	Carrots	15,961,000
15.	Oranges, Valencia	13,600,400	15.	Aquaculture Products	15,757,600
16.	Oriental Vegetables	12,961,700	16.	Broccoli	14,145,100
17.	Cotton	12,643,000	17.	Oriental Vegetables	13,471,700
18.	Spinach	12,221,300	18.	Watermelons	11,982,700
19.	Cantaloupe	11,515,700	19.	Potatoes	11,774,800
20.	Cattle and Calves	10,800,000	20.	Oranges, Valencia	10,641,000

CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

<u>1999</u>			<u>2000</u>			<u>2001</u>		
<u>RANK</u>	<u>COUNTY</u>	<u>VALUE</u>	<u>COUNTY</u>	<u>VALUE</u>	<u>COUNTY</u>	<u>VALUE</u>		
1	FRESNO	\$3,568,379,000	FRESNO	\$3,425,926,000	TULARE	\$3,493,010,000		
2	TULARE	3,078,087,000	TULARE	3,068,063,000	FRESNO	3,218,681,000		
3	MONTEREY	2,369,154,000	MONTEREY	2,923,393,000	MONTEREY	2,746,251,000		
4	KERN	2,129,928,000	KERN	2,213,200,000	KERN	2,254,322,000		
5	MERCED	1,534,030,000	MERCED	1,538,545,000	MERCED	1,703,044,000		
6	SAN JOAQUIN	1,352,690,000	SAN JOAQUIN	1,348,724,000	SAN JOAQUIN	1,389,889,000		
7	SAN DIEGO	1,242,548,000	SAN DIEGO	1,254,389,000	STANISLAUS	1,353,300,000		
8	STANISLAUS	1,210,211,000	STANISLAUS	1,197,302,000	SAN DIEGO	1,289,708,000		
9	RIVERSIDE	1,197,389,000	RIVERSIDE	1,048,590,000	RIVERSIDE	1,124,929,000		
10	VENTURA	1,059,123,000	VENTURA	1,047,128,000	VENTURA	1,053,714,000		

PHYTOSANITARY EXPORT CERTIFICATION

Export Countries

Australia	El Salvador	Lebanon	Saudi Arabia
Austria	Eritrea	Malaysia	Senegal
Bahamas	France	Mexico	Singapore
Bahrain	French Polynesia	Monaco	South Africa
Bangladesh	Germany	Netherlands	Sri Lanka
Belguim	Ghana	New Zealand	Switzerland
Belize	Grenada	Nigeria	Taiwan
Brazil	Guatemala	Northern Mariana Islands	Thailand
Burkina Faso	Honduras	Oman	Trinidad and Tobago
Canada	Hong Kong	Panama	Turkey
Chile	India	People's Republic of China	United Arab Emirates
Colombia	Indonesia	Peru	Uruguay
Costa Rica	Italy	Philippines	United Kingdom
Dominican Republic	Jamaica	Republic of Korea	Venezuela
Egypt	Japan	Russian Federation	Vietnam

Commodities Certified

Alfalfa Hay	Cantaloupes	Cowpeas	Mangos
Animal Feed	Carrots	Date Palm Offshoots	Nursery Stock
Artichokes	Cilantro	Dates	Oat Hay
Avocados	Citrus Fruits	Dried Flowers	Onions
Bell Peppers	Citrus Budwood	Grapes	Onion Seed
Bermuda Grass Sod	Citrus Seed	Honeydews	Peppers
Broccoli	Corn	Klein Grass Hay	Pumpkins
Cabbage	Cottonseed	Lettuce	Sudan Grass Hay
			Tomatoes
			Watermelon

SUSTAINABLE AGRICULTURE

ORGANIC FARMING

87 Organic Producers Registered in Riverside County

PEST DETECTION (Commercial and Urban)

	Visual Hours
Commercial Crops	276.20
Public Contact	32.20
Special Surveys:	
Karnal Bunt	0.00
Sting Nematode	0.00
Tristeza	34.00
R.I.F.A	14,309.30
Certification Trapping	1,242.30
Citrus Leaf Miner	61.00

Citrus Tristeza Indexing (Coachella Valley):

Commercial

Number of properties tested	81
Number of acres sampled	689
Number of samples tested biochemically	7,518
Number of "positive" <u>commercial</u> samples	0

Residential

Number of properties tested	100
Number of trees surveyed	100
Number of samples tested biochemically	100
Number of "positive" <u>residential</u> samples	0

PEST DETECTION (Exotic Insects)

	Number of <u>Servicings</u>
Gypsy Moth	50
European Corn Borer	224
Khapra Beetle	80
Scientific Evaluation	3,670

PEST EXCLUSION

Incoming Plant Shipments

Total Units <u>Profiled</u>	Total Units <u>Inspected</u>	Shipments <u>Rejected</u>
2,224	1,758	21

PEST ABATEMENT

<u>Pest</u>	<u>Properties</u>
California Red Scale (citrus insect pest)	5
Citrus Tristeza Virus (a disease of citrus)	0
Sting Nematode (extensive host range)	8
GLASSY-WINGED SHARPSHOOTER	0

BIOLOGICAL CONTROL OF WEEDS

<u>Pest</u>	<u>Control Agent</u>
Yellow starthistle	<u>Bangasternus orientalis</u> <u>Eustenopus villosus</u>
Puncturevine	<u>Microlarinus lareynii</u> <u>Microlarinus lypriformis</u>

BIOLOGICAL CONTROL OF INSECTS AND SNAILS

<u>Pest</u>	<u>Control Agent</u>
Ash whitefly	<u>Encarsia artemopea</u>
Black scale	<u>Metaphycus elvolus</u>
Brown soft scale	<u>Metaphycus uteolus</u>
California red scale	<u>Aphytis melinus</u>
Citrus mealybug	<u>Cryptolaemus montrouzieri</u>
Citrus whitefly	<u>Encarsia sp.</u> <u>Serangium parcesetosum</u>
Cottonycushion scale	<u>Rodolia cardinalis</u> <u>Cryptochaetum iceryae</u>
Eucalyptus longhorned borer	<u>Avetianella longoi</u> <u>Jarra phoracantha</u> <u>Syngaster lepidus</u>
Mosquitoes	<u>Aedes vexans</u> <u>Culex quinquefasciatus</u> <u>Bacillus thur. israelensis</u> <u>Culex tarsalis</u> <u>Psorophora columbiae</u> <u>Gambusia affinis</u>
Persea mite	<u>Galendromus annectens</u> <u>Galendromus helveolus</u> <u>Galendromus pilosus</u>
Two-spotted spider mite	<u>Phytoseiulus persimilis</u> <u>Galendromus occidentalis</u>
Vine mealybug	<u>Cryptolaemus montrouzieri</u>
Western grapeleaf skeletonizer	<u>Ametadoria harrisinae</u> <u>Apanteles harrisinae</u>
Woolly whitefly	<u>Amitus spiniferus</u> <u>Cales noacki</u>
Brown garden snail	<u>Rumina decollata</u>

SUPPRESSION OF PLANT DISEASES

Curlytop virus reduced by controlling Beet leafhopper (insect) on Russian thistle (weed). Cultural and biological control of the Silverleaf whitefly (insect) to suppress plant disorders and fungi on numerous host crops planted throughout the desert regions of Riverside County.

OTHER

Enforcement of County Ordinances to control Lettuce Mosaic Virus disease, soil (dust) erosion and illegal soil grading, land application of agricultural manure & sewage sludge, and cotton plowdown.

STAFF MEMBERS

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Calvin C. Kaminskis

DEPUTY AGRICULTURAL COMMISSIONERS / SEALERS

Bill Oesterlein Bill Tracy Dusty Wiley

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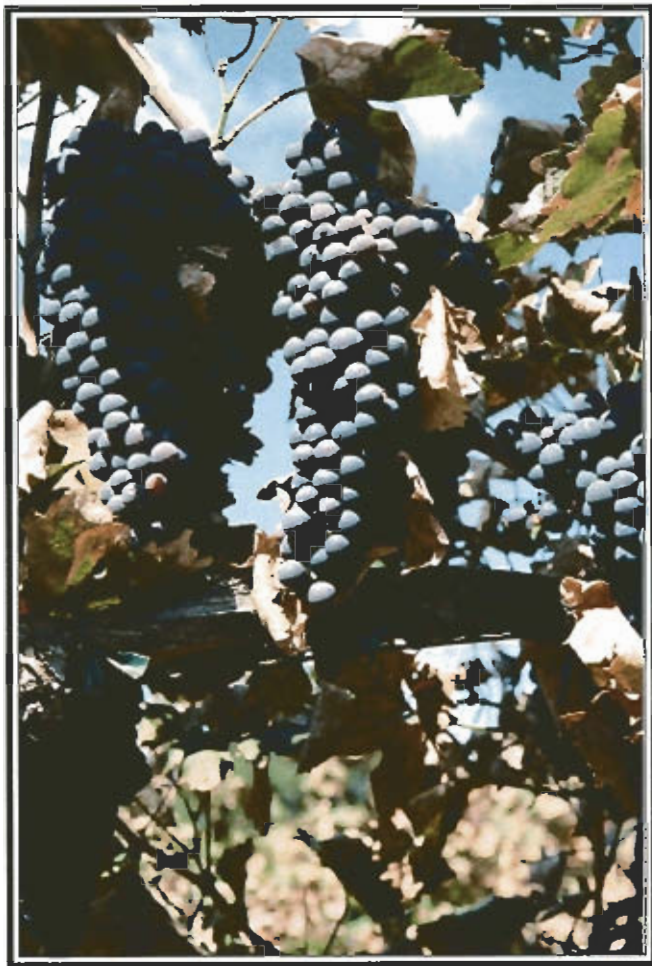
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Photos taken by Dr. Eldon Reeves, Entomologist



Blythe area head lettuce field, courtesy of Anita Bearbower



Photo courtesy of Caron Almquist