

COUNTY OF RIVERSIDE



2000

AGRICULTURAL CROP REPORT



JAMES O. WALLACE
Agricultural Commissioner
Director of Weights & Measures

OFFICE OF THE
AGRICULTURAL COMMISSIONER

P.O. BOX 1089
RIVERSIDE CA 92502-1089
PHONE (909) 955-3000
FAX (909) 955-3012

WEIGHTS & MEASURES
P.O. BOX 1480
RIVERSIDE, CA 92502-1480
PHONE (909) 955-3030
FAX (909) 276-4728

**William J. Lyons, Jr., Secretary
California Department of Food and Agriculture**

And

The Honorable Board of Supervisors of Riverside County

Jim Venable, District III

**Bob Buster, District I
Roy Wilson, District IV**

**John Tavaglione, District II
Tom Mullen, District V**

I am pleased to submit the 2000 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 \$1,048,561,600, which is a decrease of \$148,800,500 from the 1999 gross value. The gross value for agricultural crops was \$681,568,800, a decrease of \$75,562,400 from the previous year. The value of livestock and poultry production was \$366,882,800, a decrease of \$73,238,100 from the 1999 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 2000, has the financial impact of three times that amount. Therefore, \$1,048,561,600 becomes over \$3,145,684,000 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,

**James O. Wallace
Agricultural Commissioner
Director of Weights & Measures**

TABLE OF CONTENTS

CITRUS CROPS	1
TREE AND VINE CROPS	2
VEGETABLE, MELON AND MISCELLANEOUS CROPS	3-5
FIELD AND SEED CROPS	5-6
LIVESTOCK AND POULTRY	7
LIVESTOCK AND POULTRY PRODUCTS	7
NURSERY STOCK PRODUCTION	8
AQUACULTURE PRODUCTS	8
APICULTURE	8
SUMMARY	
DISTRICT VALUATIONS - AGRICULTURAL CROPS	9
ACREAGE STATISTICS	9
TOTAL VALUATION - F.O.B.	9
RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS	10
CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION	10
PHYTOSANITARY EXPORT CERTIFICATION	11
SUSTAINABLE AGRICULTURE REPORT	12
STAFF MEMBERS	13

CITRUS CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Grapefruit-Ruby	2000	6,167	5,801	732	4,246,332	34 lbs	6.23	\$ 26,454,600
By-Products	2000			241	1,398,041		0.32	447,400
Grapefruit-Ruby	1999	6,359	6,021	669	4,028,049	34 lbs	7.26	29,243,600
By-Products	1999			263	1,583,523		0.26	411,700
Grapefruit-White	2000	1,652	1,434	612	877,608	34 lbs	6.34	5,564,000
By-Products	2000			434	622,356		0.64	398,300
Grapefruit-White	1999	1,883	1,523	732	1,114,836	34 lbs	5.81	6,477,200
By-Products	1999			186	283,278		0.34	96,300
Kumquats	2000	40	40	250	10,000	10 lbs	6.00	60,000
	1999	41	41	490	20,090	10 lbs	12.65	254,100
Lemons	2000	7,265	6,224	636	3,958,464	38 lbs	11.07	43,820,200
By-Products	2000			287	1,786,288		1.09	1,947,100
Lemons	1999	7,232	5,523	546	3,015,558	38 lbs	14.46	43,605,000
By-Products	1999			299	1,651,377		1.07	1,767,000
Limes	2000	59	56	536	30,016	40 lbs	10.00	300,200
	1999	43	43	640	27,520	40 lbs	10.00	275,200
Oranges-Navel	2000	5,946	3,820	603	2,303,460	37.5 lbs	5.84	13,452,200
By-Products	2000			187	714,340		0.31	221,400
Oranges-Navel	1999	5,977	3,848	390	1,500,720	37.5 lbs	9.74	14,617,000
By-Products	1999			200	769,600		0.48	369,400
Oranges-Valencia	2000	6,732	2,764	532	1,470,448	37.5 lbs	7.48	10,999,000
By-Products	2000		3,858	143	551,694		1.22	673,100
Oranges-Valencia	1999	6,733	2,588	386	998,968	37.5 lbs	10.74	10,728,900
By-Products	1999			229	592,652		1.63	966,000
Royal Mandarins	2000	525	500	445	222,500	37.5 lbs	7.73	1,719,900
By-Products	2000			88	44,000		1.88	82,700
Royal Mandarins	1999	498	495	266	131,670	37.5 lbs	10.32	1,358,800
By-Products	1999			77	38,115		1.74	66,300
Tangelos	2000	551	507	260	131,820	30 lbs	13.29	1,751,900
By-Products	2000			87	44,109		1.99	87,800
Tangelos	1999	423	379	364	137,956	30 lbs	10.36	1,429,200
By-Products	1999			184	69,736		1.53	106,700
Tangerines	2000	1,716	1,543	488	752,984	25 lbs	8.49	6,392,800
By-Products	2000			103	158,929		1.26	200,300
Tangerines	1999	1,568	1,548	369	571,212	25 lbs	10.94	6,249,100
By-Products	1999			140	216,720		0.99	214,600
TOTAL	2000	30,653		22,689				\$114,572,900
	1999	30,757		22,009				118,236,100

TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Apples	2000	122	120	110	13,200	40 lbs	10.00	\$ 132,000
	1999	118	118	106	12,508		7.66	95,800
Avocados	2000	7,160	6,863	216	1,482,408	26 lbs	27.50	40,766,200
	1999	7,468	7,040	205	1,443,200		25.00	36,080,000
Cherries	2000	42	42	68	2,856	18 lbs	28.17	80,500
	1999	43	42	55	2,310		25.00	57,800
Dates	2000	5,479	3,813	4.11	15,671	tons	2,280.00	35,729,900
Culls	2000			0.39	1,487		50.00	74,400
Dates	1999	5,329	3,913	4.43	17,335	tons	2,320.00	40,217,200
Culls	1999			0.44	1,722		50.00	86,100
Grapes - Table								
Beauty Seedless	2000	185	149	772	115,028	18 lbs	15.41	1,772,600
	1999	203	181	748	135,388		21.26	2,878,300
Exotic	2000	55	27	969	26,163	18 lbs	7.10	185,800
	1999	95	95	465	44,175		12.40	547,800
Flame Seedless	2000	5,103	4,761	764	3,637,404	18 lbs	11.07	40,266,100
	1999	6,162	5,922	818	4,844,196		13.43	65,057,600
Perlette	2000	3,140	2,879	559	1,609,361	18 lbs	10.48	16,866,100
	1999	3,216	3,136	587	1,840,832		16.33	30,060,800
Thompson Seedless	2000	2,300	1,897	857	1,625,729	18 lbs	10.39	16,891,300
	1999	3,052	2,544	615	1,564,560		14.37	22,482,700
Other Varieties	2000	1,400	1,032	827	853,464	18 lbs	13.05	11,137,700
	1999	1,097	1,097	930	1,020,210		15.25	15,558,200
HARVESTED TABLE GRAPE ACREAGE SUPPLIED BY CALIFORNIA DESERT GRAPE ADMINISTRATIVE COMMITTEE								
Grape By-Products*	2000			0.14	1,504	tons	1,025.00	1,541,600
	1999			0.14	1,936		723.72	1,401,100
Grapes - Wine	2000	2,767	2,073	5.32	11,028	tons	966.68	10,660,500
	1999	2,524 **	2,319 **	4.00	9,276		943.57	8,752,600
Miscellaneous***	2000	499	393	105	41,265	24 lbs	24.46	1,009,300
	1999	451	367	130	47,710		17.41	830,600
Peaches - Freestone	2000	86	81	230	18,630	22 lbs	7.50	139,700
	1999	117	75	87	6,525		7.80	50,900
Persimmons	2000	67	62	400	24,800	24 lbs	5.50	136,400
	1999	67	67	450	30,150		7.50	226,100
TOTAL	2000	28,405	24,192					\$177,390,100
	1999	29,942	26,916					224,383,600

* Raisins and Juice

** Resurveyed

*** Apricots, Figs, Jojoba, Jujubee, Mangos, Nectarines, Olives, Pears, Pecans, Pistachios, Plums, Pomegranates, and Walnuts. (No production: Olives and Pistachios)

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Artichokes	2000	880	761	669,680	23 lbs	7.39	\$ 4,948,900
	1999	1,320	903	1,191,960		9.80	11,681,200
Beans-Green	2000	538	363	195,294	28 lbs	16.57	3,236,000
	1999	955	745	711,475		15.00	10,672,100
Broccoli	2000	3,519	629	2,213,451	23 lbs	5.40	11,952,600
	1999	3,211	632	2,029,352		6.04	12,257,300
Cabbage	2000	417	479	199,743	50 lbs	6.02	1,202,500
	1999	248	514	127,472		4.19	534,100
Carrots	2000	3,498	944	3,302,112	48 lbs	5.90	19,482,500
	1999	2,637	1,026	2,705,562		7.69	20,805,800
Cauliflower	2000	996	817	813,732	23 lbs	7.02	5,712,400
	1999	986	1,00	986,986		8.00	7,895,900
Celery	2000	253	935	236,555	60 lbs	7.97	1,885,300
	1999	342	932	318,744		5.00	1,593,700
Cilantro	2000	Miscellaneous					
	1999	104	704	73,216	28 lbs	5.20	380,700
Corn-Sweet	2000	3,201	331	1,059,531	45 lbs	5.45	5,774,400
	1999	3,155	36	1,145,265		5.96	6,825,800
Cucumbers (Miscellaneous)	2000	Miscellaneous					
	1999	215	250	53,750	28 lbs	3.65	196,200
Eggplant	2000	266	1,193	317,338	20 lbs	6.10	1,935,800
	1999	295	1,176	346,920		10.00	3,469,200
Lettuce Head	2000	1,922	472	907,184	50 lbs	5.45	4,944,200
	1999	1,985	479	950,815		5.15	4,896,700
Head-Bulk For Shredding	2000	1,761	3.14	5,529	1000 lbs	91.47	505,700
	1999	1,897	5.25	9,959		105.00	1,045,700
Loose Leaf	2000	3,082	882	2,718,324	22 lbs	5.53	15,032,300
	1999	2,757	864	2,382,048		4.99	11,886,400
Romaine	2000	1,988	885	1,759,380	35 lbs	5.72	10,063,700
	1999	1,631	869	1,417,339		5.47	7,752,800

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Melons							
Cantaloupe	2000	4,100	545	2,234,500	40 lbs	5.78	\$ 12,915,400
	1999	5,748	540	3,103,920		6.96	21,603,300
Honeydew	2000	1,039	679	705,481	29 lbs	4.51	3,181,700
	1999	1,012	587	594,044		4.19	2,489,000
Miscellaneous	2000	1,122	550	617,100	33 lbs	5.03	3,104,000
	1999	1,158	438	507,204		5.30	2,688,200
Watermelon	2000	2,401	28	67,228	tons	136.52	9,178,000
	1999	2,797	26	72,722		190.73	13,870,300
Miscellaneous*	2000	1,134	265	300,510	28 lbs	18.58	5,583,500
	1999	2,852	481	1,371,812		7.67	10,521,800
Okra	2000	251	443	111,193	20 lbs	10.74	1,194,200
	1999	103	800	82,400		8.00	659,200
Onions							
Dehydrator	2000	510	17	8,670	tons	82.00	710,900
	1999	None Reported					
Dry	2000	591	910	537,810	50 lbs	4.32	2,323,300
	1999	655	906	593,430		5.49	3,257,900
Oriental Vegetables	2000	1,797	751	1,349,547	28 lbs	11.15	15,047,400
	1999	2,300	1,154	2,654,200		6.93	18,393,600
Peppers							
Bell	2000	2,667	1,448	3,861,816	30 lbs	7.64	29,504,300
	1999	2,532	1,217	3,081,444		11.50	35,436,600
Chili	2000	25	1,115	27,875	10 lbs	6.85	190,900
	1999	27	717	19,359		9.65	186,800
Potatoes							
Fall	2000	2,696	183	493,368	100 lbs	9.00	4,440,300
	1999	2,527	189	477,603		10.00	4,776,000
Spring	2000	3,177	405	1,286,685	100 lbs	8.70	11,194,200
	1999	2,707	360	974,520		12.04	11,733,200
Pumpkins	2000	140	14	1,960	tons	179.00	350,800
	1999	100	12	1,200		119.00	142,800
Spinach	2000	853	963	821,439	30 lbs	7.12	5,848,600
	1999	956	875	836,500		7.16	5,989,300

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Squash							
Summer (misc. var.)	2000	352	645	227,040	28 lbs	6.82	\$ 1,548,400
	1999	302	816	246,432		7.17	1,766,900
Winter (misc. var.)	2000	161	422	67,942	40 lbs	4.02	273,100
	1999	122	516	62,952		6.08	382,700
Strawberries	2000	10	720	7,200	12 lbs	10.00	72,000
	1999	17	730	12,410		9.90	122,900
Tomatoes	2000	58	1,200	69,600	20 lbs	5.50	382,800
	1999	355	913	324,115		6.44	2,087,300
TOTAL	2000	45,405					\$193,720,100
	1999	48,008					238,001,400

*Beets, Cilantro, Cucumbers, Endive, Escarole, Garlic, Greens, Green Onions, Herbs, Parsley, Peas, Radishes, Spices, Turnips and Watercress.

FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans-Dry	2000	585	12.57	7,353	100 lbs	21.58	\$ 158,700
	1999	1,000	15.00	15,000		36.00	540,000
Cotton							
Short Staple	2000	14,011	3.67	51,420	500 lbs	275.00	14,140,500
	1999	12,004	2.95	35,412		250.00	8,853,000
Seed	2000		1.47	20,596	tons	110.00	2,265,600
	1999		1.18	14,165		130.00	1,841,500
Grain							
Barley	2000	Miscellaneous					
	1999	5,132	0.71	3,644	tons	99.64	363,100
Oat	2000	401	3.10	1,243	tons	50.00	62,200
	1999	522	0.27	141		295.04	41,600
Wheat	2000	6,532	2.49	16,265	tons	121.93	1,983,200
	1999	35,900	0.46	16,514		107.93	1,782,400

FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value		
			Per Acre	Total		Per Unit	Total	
Hay								
Alfalfa	2000	56,194	8.08	454,048	tons	83.32	\$ 37,831,300	
	1999	60,351	8.69	524,450		75.68	39,690,400	
Barley	2000	None Reported						
	1999	165	0.89	147	tons	99.00	14,600	
Bermuda Grass	2000	1,521	3.50	5,324	tons	68.00	362,000	
	1999	1,279	3.00	3,837		55.00	211,000	
Klein Grass	2000	1,591	7.25	11,535	tons	73.00	842,100	
	1999	Miscellaneous						
Oat	2000	2,736	2.21	6,047	tons	87.32	528,000	
	1999	7,837	1.62	12,696		90.50	1,149,000	
Sudan	2000	1,494	4.70	7,022	tons	85.00	596,900	
	1999	5,174	4.56	23,593		65.12	1,536,400	
Straw-Other	2000	1,665	1.50	2,498	tons	20.00	50,000	
	1999	1,177	3.40	4,002		20.00	80,000	
Miscellaneous*	2000	2,412	5.17	12,470	tons	86.31	1,076,300	
	1999	2,590	4.15	10,749		111.93	1,203,100	
Pasture-Irrigated	2000	15,312		15,312	acres	114.31	1,750,300	
	1999	18,657		18,657		156.42	2,918,300	
Rangeland	2000	45,480		45,480	acres	5.00	227,400	
	1999	50,480		50,480		5.00	252,400	
Silage and Green Chop								
Alfalfa	2000	3,735	30.00	112,050	tons	19.74	2,211,900	
	1999	4,525	30.00	135,750		20.00	2,715,000	
Corn	2000	1,740	29.88	51,991	tons	25.38	1,319,500	
	1999	980	26.00	25,480		20.00	509,600	
Forage	2000	7,337	10.00	73,370	tons	14.00	1,027,200	
	1999	1,485	18.00	26,730		13.00	347,500	
Sudan	2000	Miscellaneous						
	1999	310	20.00	6,200	tons	22.00	136,400	
Seed								
Bermuda Grass	2000	1,115	292.00	325,580	lbs	1.50	488,400	
	1999	895	310.00	277,450		1.33	369,000	
TOTAL	2000	163,861					\$66,921,500	
	1999	210,463					64,554,300	

* Barley (Grain, Green Chop), Milo Maize (Grain), Oats (Green Chop), Onion Seed, Rye Grass (Hay), Sudan (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	2000	70,000	455,000	cwt	49.00	\$ 22,295,000
	1999	108,000	720,000		38.80	27,936,000
Sheep and Lambs	2000	15,000	18,000	cwt	65.00	1,170,000
	1999	15,000	18,000		64.00	1,152,000
Chickens (Spent Hens)	2000	3,778,500	13,602,600	lbs	0.005	68,000
	1999	4,274,600	15,388,560		0.005	76,900
Other Livestock*	2000	530,000	34,238	cwt	7.00	239,700
	1999	520,200	18,000		13.00	234,000
Chickens	2000	6,870,000 (annual average)				
	1999	7,772,000 (annual average)				
TOTAL	2000					\$ 23,772,700
	1999					29,398,900

*Ducks, Hogs, Rabbits, and Squab

LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Unit	Value	
				Per Unit	Total
Eggs*	2000	151,140,000	dozen	0.45	\$ 68,013,000
	1999	170,984,000		0.44	75,233,000
Milk**	2000	21,796,256	cwt	12.53	273,107,100
	1999	22,800,000		14.63	333,564,000
Other Products***	2000				2,100,000
	1999				2,035,000
TOTAL	2000				\$ 343,220,100
	1999				410,832,000

* 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	2000	2,400	36,000,000	various	\$ 75,400,000
	1999	1,750	20,742,000		58,000,000
Cut Flowers and Cut Greens	2000	240	7,200,000	cuttings	2,400,000
	1999	480	14,400,000		4,752,000
Christmas Trees (cut)	2000	120	22,000	each	550,000
	1999	155	31,000		625,000
Turf	2000	2,805	102,634,950	square feet	21,730,300
	1999	2,000	73,180,000		20,000,000
Farm Planting Stock	2000	120	1,080,000	various	7,440,000
	1999	132	1,100,000		7,000,000
TOTAL	2000	5,685			\$ 107,520,300
	1999	4,517			90,377,000

AQUACULTURE PRODUCTS

	Year	Production	Unit	Valuation
All Fish Includes Trout, Catfish, Tilapia	2000	6,990,630	lbs	\$ 17,174,700
	1999	6,837,114		\$16,006,800

APICULTURE

	Year	Production	Unit	Value	
				Per Unit	Total
Honey	2000	4,950,000	lbs	0.50	\$ 2,475,000
	1999	7,000,000		0.52	3,640,000
Beeswax	2000	123,000	lbs	1.25	153,800
	1999	180,000		2.35	423,000
Queen Cells	2000	200	queens	2.00	400
	1999	500		8.00	4,000
Fees Collected for Pollination	2000	40,000	colonies	41.00	1,640,000
	1999	35,000		43.00	1,505,000
Total Colonies	2000	45,000			
	1999	45,000			
TOTAL	2000				\$ 4,269,200
	1999				5,572,000

DISTRICT VALUATIONS - AGRICULTURAL CROPS

	1996	1997	1998	1999	2000
Riverside/Corona	\$ 40,735,600	\$ 29,046,200	\$ 38,383,900	\$ 31,464,000	\$ 31,203,800
San Jacinto/Temecula Valley	95,310,800	97,820,700	112,639,900	94,443,000	102,293,100
Coachella Valley	319,613,700	331,708,300	398,156,700	427,605,600	324,729,300
Palo Verde Valley	103,051,200	102,904,800	92,011,800	90,393,100	93,876,000

ACREAGE STATISTICS

	1996	1997	1998	1999	2000
Citrus	35,211	33,376	31,091	30,757	30,653
Trees and Vines	32,499	31,222	30,361	29,942	28,405
Vegetables, Melons, & Misc.	43,065	43,296	45,276	48,008	45,405
Field and Seed Crops	218,027	210,727	219,863	210,463*	163,861
Total Planted Acreage	328,802	318,621	326,591	319,170*	268,324

TOTAL VALUATION - F.O.B.

	1996	1997	1998	1999	2000
Citrus	\$114,470,300	\$86,567,200	\$110,869,900	\$118,236,100	\$114,572,900
Trees and Vines	195,393,800	219,949,200	248,126,600	224,383,600	177,390,100
Vegetables, Melons, & Misc.	164,700,700	164,748,200	204,511,200	238,001,400	193,720,100
Field and Seed Crops	84,880,100	90,647,300	77,180,200	64,554,300	66,921,500
Nursery	81,942,600	82,827,400	94,549,900	90,377,000	107,520,300
Apiculture	6,306,300	5,375,700	6,539,300	5,572,000	4,269,200
Aquaculture Products	17,681,900	12,535,300	10,431,000	16,006,800	17,174,700
Total Crop Valuation	\$665,375,700	\$662,650,300	\$752,208,100	\$757,131,200	\$681,568,800
Livestock & Poultry Valuation	476,444,100	425,269,700	447,298,600	440,230,900	366,992,800
GRAND TOTAL	\$1,141,819,800	\$1,087,920,000	\$1,199,506,700	\$1,197,362,100	\$1,048,561,600

* Revised

RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS

<u>1999</u>		<u>2000</u>	
1. Milk	\$333,564,000	1. Milk	\$273,107,100
2. Grapes, Table	136,585,400	2. Nursery	107,520,300
3. Nursery	90,377,000	3. Grapes, Table	87,119,600
4. Eggs	75,233,000	4. Eggs	68,013,000
5. Lemons	45,372,000	5. Lemons	43,820,200
6. Hay, all	42,681,400	6. Avocados	40,766,200
7. Dates	40,303,300	7. Hay, all	40,210,300
8. Grapefruit, Ruby & White	36,228,800	8. Dates	35,804,300
9. Avocados	36,080,000	9. Grapefruit, Ruby & White	32,864,300
10. Peppers, Bell	35,436,600	10. Peppers, Bell	29,504,300
11. Cattle and Calves	27,936,000	11. Cattle and Calves	22,295,000
12. Cantaloupe	21,603,300	12. Carrots	19,482,500
13. Carrots	20,805,800	13. Aquaculture Products	17,174,700
14. Oriental Vegetables	18,393,600	14. Potatoes	15,634,500
15. Potatoes	16,509,200	15. Oriental Vegetables	15,047,400
16. Aquaculture Products	16,006,800	16. Lettuce, Loose Leaf	15,032,300
17. Orange, Navel	14,986,400	17. Cotton	14,140,500
18. Watermelon	13,870,300	18. Oranges, Navel	13,452,200
19. Broccoli	12,257,300	19. Cantaloupe	12,915,400
20. Lettuce, Loose Leaf	11,886,400	20. Broccoli	11,952,600

CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

<u>1997</u>			<u>1998</u>			<u>1999</u>		
<u>RANK</u>	<u>COUNTY</u>	<u>VALUE</u>	<u>COUNTY</u>	<u>VALUE</u>	<u>COUNTY</u>	<u>VALUE</u>		
1	FRESNO	\$3,430,768,000	FRESNO	\$3,292,713,000	FRESNO	\$3,568,379,000		
2	TULARE	2,899,036,000	TULARE	2,924,270,000	TULARE	3,078,087,000		
3	MONTEREY	2,269,229,000	MONTEREY	2,295,296,000	MONTEREY	2,369,154,000		
4	KERN	2,191,644,000	KERN	2,068,351,000	KERN	2,129,928,000		
5	MERCED	1,526,832,000	MERCED	1,449,763,000	MERCED	1,534,030,000		
6	SAN JOAQUIN	1,487,502,000	SAN JOAQUIN	1,311,116,000	SAN JOAQUIN	1,352,690,000		
7	STANISLAUS	1,333,022,000	STANISLAUS	1,302,715,000	SAN DIEGO	1,242,548,000		
8	SAN DIEGO	1,139,282,000	RIVERSIDE	1,199,534,000	STANISLAUS	1,210,211,000		
9	RIVERSIDE	1,087,936,000	SAN DIEGO	1,178,406,000	RIVERSIDE	1,197,389,000		
10	IMPERIAL	1,039,928,000	IMPERIAL	1,083,232,000	VENTURA	1,059,123,000		

PHYTOSANITARY EXPORT CERTIFICATION

Export Countries

Australia	Germany	Lebanon	Saudi Arabia
Austria	Grenada	Malaysia	Singapore
Bangladesh	Guatemala	Mexico	Spain
Belguim	Honduras	Netherlands	Sri Lanka
Brazil	Hong Kong	New Zealand	Switzerland
Canada	Iceland	Oman	Taiwan
Chile	India	Panama	Thailand
Costa Rica	Indonesia	People's Republic of China	Trinidad and Tobago
Dominican Republic	Italy	Peru	United Arab Emirates
Ecuador	Jamaica	Philippines	United Kingdom
El Salvador	Japan	Republic of Korea	Venezuela
France	Kuwait	Russian Federation	

Commodities Certified

Alfalfa Hay	Cantaloupes	Dates	Nursery Stock
Alfalfa Hay Cubes	Carrots	Dried Flowers	Oat Hay
Animal Feed	Citrus Fruits	Figs	Peas
Artichokes	Citrus Budwood	Grapes	Peppers
Bell Peppers	Citrus Seed	Honeydews	Potatoes
Bermuda Grass Sod	Corn	Klein Grass Hay	Straw
Broccoli	Cottonseed	Lettuce	Sudan Grass Hay
Cabbage	Date Palm Offshoots	Mangos	Tomatoes
			Watermelon

SUSTAINABLE AGRICULTURE

ORGANIC FARMING

111 Organic Producers Registered in Riverside County

PEST DETECTION (Commercial and Urban)

	Visual <u>Hours</u>
Commercial Crops	105.50
Public Contact	82.00
Special Surveys:	
Karnal Bunt	0.00
Sting Nematode	0.00
Tristeza	77.00
R.I.F.A	5543.00
Certification Trapping	1682.30

Citrus Tristeza Indexing (Coachella Valley):

Commercial

Number of properties tested	71
Number of trees samples	139,570
Number of samples tested biochemically	7,712
Number of "positive" <u>commercial</u> samples	0

Residential

Number of properties tested	200
Number of trees surveyed	200
Number of samples tested biochemically	200
Numer of "positive" <u>residential</u> samples	2

PEST DETECTION (Exotic Insects)

	Traps in Operation (<u>Seasonal High</u>)	Number of <u>Servicings</u>
Mediterranean Fruit Fly	1,446	41,024
Oriental Fruit Fly	1,232	31,163
Melon Fruit Fly	706	16,902
Gypsy Moth	574	4,441
Apple Maggot/Cherry Fruit Fly	0	0
Japanese Beetle	463	3,499
Mexican Fruit Fly	1,280	48,924
European Corn Borer	26	231
Khapra Beetle	75	108
Champ	0	0
IMPT	0	0
China Certification	268	4,245

PEST EXCLUSION

Incoming Plant Shipments

Total Units <u>Profiled</u>	Total Units <u>Inspected</u>	Shipments <u>Rejected</u>
7,247	3,986	195

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
GWSS	44

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 artemeopea</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

AGRICULTURAL COMMISSIONER/DIRECTOR OF WEIGHTS & MEASURES

James O. Wallace

ASSISTANT AGRICULTURAL COMMISSIONER

Calvin C. Kaminskas

DEPUTY AGRICULTURAL COMMISSIONERS - SEALERS

Bill Oesterlein Bill Tracy Dusty Wiley

SEALER OF WEIGHTS & MEASURES

John Snyder

SUPERVISING AGRICULTURAL & STANDARDS INVESTIGATORS

Don Domenigoni
John Schrader

Bob Mulherin
Sue Weber

AGRICULTURAL & STANDARDS INVESTIGATORS

Rick Allert
Carolyn Brown
Jennifer Chandler
Steve Durso
David Elms
Dia Elseewi
Tom Finan
Julius Francisco

Thomas Hought
Debbie Kotaka
Charles Kregl
Michael Lahti
Stuart Lease
Arturo Lomeli
Deborah May
Dennis Miller

Victor Miranda
Keith Selnick
Richard Shaffer
Gursewak Sidhu
Hugo Soto
Michele Tracy
Lily Vargas
Tom Vizthum

AGRICULTURAL INSPECTORS

Steve Bennett
Michael Dishman
Laura Doughty
Brad Eldridge
Gabriel Gowman
Grace Huff

Hector Herrera
Paul Johnson
Jack Nelson
Steve Oliver
Geovany Ortiz
Mike Pahls

Booker Rogers
Alex Vasquez
Frank Villegas
Dennis Wahl
Alvin Watson
Gene White

CLERICAL SUPPORT STAFF

Camille Alexen
Patrica Burgess
Adela Davis

Billie Seale
Johanna Starks
Patrice Wyatt

SEASONAL AGRICULTURAL STANDARDIZATION INSPECTORS

Raul Acosta
Lois Berger
Raul Espinosa

Wayne Faulkner
Linda Gaeta
John Nelson

Laurie Patla