

2003

Agricultural Crop & Livestock Report

Imperial County



*In cooperation
with the
Imperial Irrigation District*

Stephen L. Birdsall
Agricultural Commissioner
Director of Weights and Measures



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AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

June 15, 2004

TO: A. G. Kawamura, Secretary
Department of Food and Agriculture
and
The Honorable Board of Supervisors,
County of Imperial
Gary Wyatt, Chairperson
Victor M. Carrillo Hank Kuiper
Wally Leimgruber Joe Maruca

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the 2003 Annual Agricultural Crop and Livestock Report for Imperial County. This report is a summary of acreage, yield, and gross value of agricultural production in Imperial County. It must be emphasized that the values presented in this report represent **Gross** receipt of producers and **do not** take into account the various costs of production, marketing, or transportation. **No attempt is made to reflect net income of the producer.**

The total gross agricultural production value in 2003 was \$1,073,473,000. This is a 10.45 percentage decrease from the 2002 gross value. Increases in value were realized in Livestock 7.24%, and Apiary products 25.44%. Increases in value were a direct result of improved yields and prices. There were decreases in value in Field Crops (10.4%), Vegetable and Melon Crops (16.55%), Fruit and Nut crops (35.25%) and Seed & Nursery Crops (21.12%). Decreases in price and yield were the main factors for the reduction.

As a measure of how agricultural production impacts the County, for every thousand dollars of total gross value produced, \$392 dollars of personal income are generated to agriculturally related jobs.

I wish to thank all the individuals and organizations for their cooperation in providing the information required for the compilation of this report. I wish to especially thank the staff that produced this report for their dedicated work.

Sincerely,

Stephen L. Birdsall
Agricultural Commissioner

Economic Impacts of Imperial County's Agricultural Production 2003

Impact On Imperial County

Commodities	Gross Value of Production \$1,000	Private Sales Multiplier	Personal Income Multiplier	Value Added Multiplier	Jobs Per Mil. Dollars Multiplier	Sales \$1,000	Personal Income \$1,000	Value Added \$1,000	Number Of Jobs No.
Other livestock & Products*	62,831	1.5328	0.2557	0.4237	15.1812	96,307	16,066	26,621	954
Cattle & Calves	238,303	1.5401	0.2927	0.463	15.0216	367,010	69,751	110,334	3,580
Sheep, Lambs	7,317	1.5844	0.3293	0.4877	46.455	11,593	2,409	3,569	340
Cotton	8,221	1.6567	0.4101	0.718	17.3963	13,620	3,371	5,903	143
Food Grains	33,249	1.5463	0.2808	0.6048	18.5305	51,413	9,336	20,109	616
Hay & Pasture	153,194	1.5274	0.3746	0.7094	36.7969	233,989	57,386	108,676	5,637
Grass Seeds**	18,222	1.4061	0.3149	0.6453	46.6367	25,622	5,738	11,759	850
Fruits & Tree Nuts	35,410	1.6445	0.4225	0.6589	21.7353	58,232	14,961	23,332	770
Vegetables & Melons	442,928	1.7061	0.4831	0.7911	21.36	755,679	213,979	350,400	9,461
Sugar Crops	46,520	1.5411	0.3269	0.7251	16.7247	71,934	15,207	33,732	778
Misc. Crops***	17,226	1.7831	0.4436	0.6863	36.9036	30,716	7,641	11,822	636
Nursery Products	10,052	1.5302	0.4832	0.821	17.0156	15,382	4,857	8,253	171
TOTAL	1,073,473					1,731,496	420,704	714,509	23,935

* Includes Dairy, Dairy Heifers, Swine, Goats, Rabbits, Aquatic Products & Apiary Products.

** Includes Alfalfa Seed & Bermudagrass Seed.

*** Includes Misc. Field Crops, Onion Seed, & Certified Seed.

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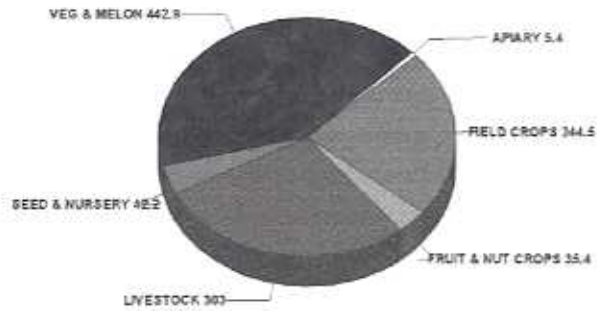
IMPERIAL COUNTY

LIVESTOCK

<u>CROP</u>	<u>YEAR</u>	<u>TOTAL HEAD</u>	<u>UNIT GAIN</u>	<u>TOTAL GAIN *</u>	<u>UNIT</u>	<u>VALUE PER UNIT</u>	<u>GROSS VALUE</u>
CATTLE (Feedlot).....	2003	351,403	8.79	3,088,832	CWT	77.15	238,303,000
	2002	365,432	9.17	3,351,011	CWT	64.35	215,638,000
SHEEP (Feeders).....	2003	200,000	0.35	70,000	CWT	101.25	7,088,000
	2002	143,000	0.40	57,200	CWT	64.69	3,700,000
WOOL.....	2003	200,000	3.18	636,000	LBS	0.36	229,000
	2002	143,000	3.38	483,340	LBS	0.14	68,000
AQUATIC PRODUCTS.... (Fish & Algae)	2003						14,549,000
	2002						5,107,000
MISC. LIVESTOCK..... (Calves, Cattle, Cavies, Dairy, Dairy Heifers, Goats, Lambs, Poultry & Rabbits & Swine)	2003						42,833,000
	2002						55,033,000
						VALUE 2003	303,002,000
						VALUE 2002	282,546,000

* GAIN MAY NOT TOTAL DUE TO ROUNDING

2003
AGRICULTURAL PRODUCTION GROSS VALUE
(VALUE = MILLIONS OF DOLLARS)



AGRICULTURAL PRODUCTION

IMPERIAL COUNTY

FIELD CROPS

<u>CROP</u>	<u>YEAR</u>	<u>ACRES</u>	<u>YIELD PER ACRE</u>	<u>TOTAL UNITS *</u>	<u>UNIT</u>	<u>VALUE PER UNIT</u>	<u>GROSS VALUE</u>
ALFALFA HAY (Baled)...	2003	159,482	7.33	1,169,003.06	TON	83.03	97,062,000
	2002	186,641	7.70	1,437,135.70	TON	95.38	137,074,000
BERMUDAGRASS HAY...	2003	64,675	5.32	344,071.00	TON	79.54	27,367,000
	2002	62,373	5.72	356,773.56	TON	71.40	25,474,000
COTTON (Lint).....	2003	6,215	3.02 A	18,769.30	BALE	383.48 B	7,198,000
	2002	10,643	2.59 A	27,565.37	BALE	397.60 B	10,960,000
COTTON (Seed).....	2003	6,215	1.22	7,582.30	TON	134.87	1,023,000
	2002	10,643	1.03	10,962.29	TON	128.05	1,404,000
KLEINGRASS HAY.....	2003	13,327	8.78	117,011.06	TON	90.09	10,542,000
	2002	10,383	9.13	94,796.79	TON	79.75	7,560,000
PASTURE CROPS							
Alfalfa.....	2003	65,388	#		ACRE	18.29	1,196,000
	2002	57,786	#		ACRE	25.82	1,492,000
Bermudagrass.....	2003	6,468	#		ACRE	23.15	150,000
	2002	6,237	#		ACRE	24.70	154,000
Sudangrass.....	2003	9,070	#		ACRE	23.15	210,000
	2002	13,863	#		ACRE	36.17	501,000
Misc. Pasture.....	2003	3,116			ACRE	212.00	661,000
	2002	2,584			ACRE	196.60	508,000
TOTAL PASTURE.....	2003	84,042					2,217,000
	2002	80,470					2,655,000
BALED STRAW.....	2003			82,655.00	TON	31.21	2,586,000
	2002			102,626.00	TON	36.27	3,722,000
SUDANGRASS HAY.....	2003	30,234	4.56	137,867.04	TON	97.34	13,420,000
	2002	46,211	4.43	204,714.73	TON	91.50	18,731,000
SUGAR BEETS.....	2003	25,617	42.41	1,086,416.97	TON	42.82	46,520,000
	2002	24,712	40.82	1,008,743.84	TON	40.65	41,005,000
WHEAT.....	2003	66,034	3.39	223,855.26	TON	148.53	33,249,000
	2002	48,148	3.23	155,518.04	TON	138.17	21,488,000
MISC. FIELD CROPS.....	2003	10,708					3,344,000
	2002	9,661					2,828,000
TOTALS 2003....	ACRES	376,292				VALUE	244,528,000
TOTALS 2002....	ACRES	398,772				VALUE	272,901,000

* YIELDS MAY NOT TOTAL DUE TO ROUNDING

MISC. FIELD CROPS = Bamboo, Barley Grain, Field Corn, Flax, Mixed Grasses, Oat Hay, Ryegrass Hay, Sorghum Grain, Sorghum and Sudan Silage, Sugar Cane, Timothygrass.

MISC. PASTURE= Melons, Permanent Pasture, Ryegrass and Sweet Corn

= Pastured one time and acres are counted in other crop listings

A = 500 lb. Bales

B = Includes Government Payment

<http://www.imperialcounty.net/ag/>

IMPERIAL COUNTY

VEGETABLE AND MELON CROPS

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS *	UNIT	VALUE PER UNIT	GROSS VALUE
ASPARAGUS							
Harvested.....	2003	2,522	140	353,080	30 LB CTN	28.42	10,035,000
Harvested.....	2002	3,429	139	476,631	30 LB CTN	31.02	14,785,000
BROCCOLI (Market).....							
	2003	9,929	502	4,984,358	26 LB CTN	6.29	31,352,000
	2002	6,798	445	3,025,110	26 LB CTN	12.60	38,116,000
CABBAGE (Market).....							
	2003	1,245	593	738,285	45 LB CTN	5.17	3,817,000
	2002	981	650	637,650	45 LB CTN	5.16	3,290,000
CARROTS							
Market							
	2003	6,520	713	4,648,760	50 LB BAG	8.68	40,351,000
	2002	6,142	801	4,919,742	50 LB BAG	9.80	48,213,000
Processing & Other.....							
	2003	9,781	25.32	247,655	TON	80.00	19,812,000
	2002	9,044	22.42	202,766	TON	80.00	16,221,000
TOTAL CARROTS.....							
	2003	16,301					60,163,000
	2002	15,186					64,434,000
CAULIFLOWER (Market)							
	2003	3,192	554	1,768,368	23 LB CTN	7.62	13,475,000
	2002	3,180	501	1,593,180	23 LB CTN	11.59	18,465,000
SWEET CORN.....							
Fall & Spring.....	2003	5,865	373	2,187,645	50 LB CTN	8.29	18,136,000
	2002	4,636	324	1,502,064	50 LB CTN	7.48	11,235,000
HEAD LETTUCE							
Naked Pack.....							
	2003			1,376,896	50 LB CTN	5.73	7,890,000
	2002			3,375,005	50 LB CTN	18.17	61,324,000
Wrap Pack.....							
	2003			5,507,585	40 LB CTN	8.08	44,501,000
	2002			4,125,007	40 LB CTN	19.33	79,736,000
Bulk.....							
	2003			1,929,693	50 LB CTN	3.60 **	6,947,000
	2002			4,392,477	50 LB CTN	3.25 **	14,276,000
TOTAL HEAD LETTUCE							
	2003	14,343		8,814,174	CTN	6.73	59,338,000
	2002	13,664		11,892,489	CTN	13.06	155,336,000
LEAF LETTUCE.....							
	2003	9,648	936	9,030,528	35 LB CTN	7.96	71,883,000
	2002	7,625	923	7,037,875	35 LB CTN	10.26	72,209,000
SALAD PRODUCTS.....							
	2003			35,746,459	LB	0.39	13,941,000
	2002			40,644,215	LB	0.47	19,103,000
SPRING MIX							
	2003	789	5,400	4,260,600	LB	0.75	3,195,000
	2002	859	5,400	4,638,600	LB	1.00	4,639,000

* UNITS MAY NOT TOTAL DUE TO ROUNDING

**NET OF HARVEST, BINS and COOLING

SPRING MIX = Various Green, Red, and Baby Leaf Lettuce, Arugula, Beet Tops, Chard, Endive, Frisee, Kale, Mizuna, Mustard, Orach, Romaine, Spinach, Tat-Sol, and Other Salad Greens

IMPERIAL COUNTY

VEGETABLE AND MELON CROPS

(CONTINUED)

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS *	UNIT	VALUE PER PER UNIT	GROSS VALUE
ONIONS							
Market.....	2003	5,292	808	4,275,936	50 LB SACK	11.50	49,173,000
	2002	3,879	953	3,696,687	50 LB SACK	6.09	22,513,000
Processor.....	2003	4,785	19.12	91,489	TON	96.27	8,808,000
	2002	5,305	19.89	105,516	TON	91.29	9,633,000
TOTAL ONIONS.....	2003	10,077					57,981,000
	2002	9,184					32,146,000
POTATOES.....							
	2003	1,829	290	530,410	CWT	15.42	8,179,000
	*** 2002	1,797	195	350,415	CWT	36.83	12,906,000
SPINACH.....							
	2003	1,612	8,000	12,896,000	LB	0.50	6,448,000
	2002	1,265	8,500	10,752,500	LB	0.90	9,677,000
MISC. VEGETABLES.....							
	** 2003	4,624					28,932,000
	2002	5,616					30,580,000
CANTALOUPE							
Spring.....	2003	8,656	530	4,587,680	40 LB CTN	7.21	33,077,000
	2002	8,963	567	5,082,021	40 LB CTN	5.76	29,272,000
Fall.....	2003	1,386	452	626,472	40 LB CTN	8.00	5,012,000
	2002	1,666	451	751,366	40 LB CTN	5.62	4,223,000
TOTAL CANTALOUPE.....	2003	10,042	519	5,214,152	40 LB CTN	7.30	38,089,000
	2002	10,629	549	5,833,387	40 LB CTN	5.74	33,486,000
HONEYDEW & MISC. MELONS							
Spring and Fall.....	2003	1,466	834	1,222,644	40 LB CTN	8.50	10,392,000
	2002	1,101	824	907,224	40 LB CTN	5.01	4,545,000
WATERMELONS.....							
	2003	1,118	28.22	31,550	TON	240.00	7,572,000
	2002	955	23.06	22,022	TON	263.75	5,808,000
TOTALS 2003.....	ACRES	94,802				VALUE	442,928,000
TOTALS 2002.....	ACRES	86,905				VALUE	530,769,000

* UNITS MAY NOT TOTAL DUE TO ROUNDING

** MISC. VEGETABLES = Artichokes, Beans, Beets, Bok Choy, Celery, Chinese Vegetables, Collards, Eggplant, Endive, Herbs, Kale, Leek, Mustard Greens, Okra, Parsley, Parsnips, Peas, Peppers, Raddichio, Radishes, Rappini, Squash, Swiss Chard, Tomatoes, Turnips, and Water Lilies.

*** Revised

<http://www.imperialcounty.net/ag/>

IMPERIAL COUNTY

FRUIT AND NUT CROPS

CROP	YEAR	ACRES	UNITS PER ACRE	TOTAL UNITS *	UNIT	VALUE PER UNIT	GROSS VALUE	
DATES								
Harvested.....	2003	1,136	3.29	3,737.44	TON	4,995.00	18,669,000	
Non-Bearing.....	2003	200						
Harvested.....	2002	1,030	5.26	5,417.80	TON	4,890.00	26,493,000	
GRAPEFRUIT								
Harvested.....	2003	638	12.87	8,211.06	TON	397.29	3,262,000	
Non-Bearing.....	2003							
Harvested.....	2002	716	10.57	7,568.12	TON	404.71	3,063,000	
LEMONS								
Harvested.....	2003	3,575	7.32	26,169.00	TON	282.63	7,396,000	
Non-Bearing.....	2003							
Harvested.....	2002	3,489	7.87	27,458.43	TON	684.21	18,787,000	
ORANGES (Valencia)								
Harvested.....	2003	726	5.85	4,247.10	TON	261.58	1,111,000	
Non-Bearing.....	2003							
Harvested.....	2002	761	3.30	2,511.30	TON	376.26	945,000	
TANGERINES								
Harvested.....	2003	328	7.00	2,296.00	TON	444.80	1,021,000	
Non-Bearing.....	2003							
Harvested.....	2002	404	3.98	1,607.92	TON	882.40	1,419,000	
MISC. CITRUS, FRUIT & NUT CROPS								
Harvested.....	2003	572	5.92	3,386.24	TON	911.40	3,086,000	
Non-Bearing.....	2003							
Harvested.....	2002	567	5.25	2,976.75	TON	1,070.00	3,185,000	
CITRUS BY-PRODUCTS.....								
	2003			20,774.62	TON	41.66	865,000	
	2002			15,021.38	TON	52.98	796,000	
TOTALS 2003.....							VALUE	35,410,000
TOTALS 2002.....							VALUE	54,688,000
		ACRES	6,975					
		ACRES	6,967					

* UNITS MAY NOT TOTAL DUE TO ROUNDING

MISC. CITRUS = Tangelos, Sour Orange

FRUIT & NUT CROPS = Grapes and Mangos

<http://www.imperialcounty.net/ag/>

IMPERIAL COUNTY

SEED CROPS AND NURSERY PRODUCTS

CROP	YEAR	ACRES	UNITS PER ACRE	TOTAL UNITS *	UNIT	VALUE PER UNIT	GROSS VALUE
ALFALFA SEED.....	2003	15,882	360	5,717,520	LBS	0.92	5,260,000
	2002	12,559	392	4,923,128	LBS	0.94	4,628,000
BERMUDAGRASS SEED....	2003	25,089	327	8,204,103	LBS	1.58	12,962,000
	2002	35,244	514	18,115,416	LBS	1.48	26,811,000
ONION SEED.....	2003	638	314	200,332	LBS	10.07	2,017,000
	2002	1,043	292	304,556	LBS	6.25	1,903,000
MISC. FIELD, VEGETABLE, & FLOWER SEED CROPS & NURSERY PRODUCTS	2003	3,110					10,052,000
	2002	1,195					8,004,000
CERTIFIED SEED.....	2003	19,533					11,865,000
	2002	16,425					12,099,000
TOTALS 2003.....	ACRES	64,252				VALUE	42,156,000
TOTALS 2002.....	ACRES	66,466				VALUE	53,445,000

* UNITS MAY NOT TOTAL DUE TO ROUNDING

MISC. FIELD, VEGETABLE AND FLOWER SEED

CROPS AND NURSERY PRODUCTS = Artichoke, Asparagus, Broccoli, Canna, Carrots, Cauliflower, Celery, Cut Flowers, Flowers, Mixed Vegetable

Mizuna, Mustard, Oats, Okra, Palm Trees, Peas, Rappini, Safflower, Sudangrass, Swiss Chard, Tomato.

CERTIFIED SEED = Alfalfa, Artichoke, Barley, Bermudagrass, Chickpea, Rape, Sudangrass and Wheat.

APIARY PRODUCTS

	<u>YEAR</u>	<u>TOTAL HIVES</u>	<u>YIELD PER HIVE</u>	<u>TOTAL UNITS *</u>	<u>UNIT</u>	<u>VALUE PER UNIT</u>	<u>GROSS VALUE</u>
HONEY.....	2003	49,669	56.88	2,824,603.92	LBS	1.39	3,926,000
	2002	50,375	45.45	2,289,543.75	LBS	1.34	3,068,000
WAX.....	2003	43,434	1.91	82,968.94	LBS	1.18	98,000
	2002	41,740	1.39	58,018.60	LBS	1.06	61,000
POLLINATION....	2003	53,722			COL	26.53	1,425,000
	2002	45,563			COL	26.66	1,215,000
VALUE 2003							5,449,000
VALUE 2002							4,344,000

* UNITS MAY NOT TOTAL DUE TO ROUNDING

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IMPERIAL COUNTY

2003 SUMMARY

<u>COMMODITY</u>	<u>YEAR</u>	<u>HARVESTED ACREAGE</u>	<u>VALUE</u>
VEGETABLE & MELON CROPS	2003	94,602	442,928,000
	* 2002	86,905	530,769,000
FIELD CROPS.....	2003	376,292	244,528,000
	2002	398,772	272,901,000
LIVESTOCK.....	2003		303,002,000
	2002		282,546,000
FRUIT & NUT CROPS.....	2003	6,975	35,410,000
	2002	6,967	54,688,000
SEED & NURSERY CROPS.....	2003	64,252	42,156,000
	2002	66,466	53,445,000
APIARY PRODUCTS.....	2003		5,449,000
	2002		4,344,000
TOTALS.....	2003	542,121	1,073,473,000
TOTALS..... *	2002	559,110	1,198,693,000

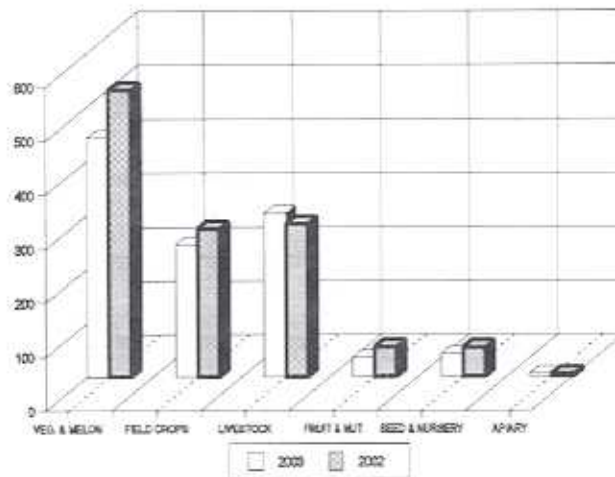
*2002 Revised

GROSS VALUE

2003-2002 COMPARISON

(VALUE = MILLIONS OF DOLLARS)

MILLIONS



IMPERIAL COUNTY

TOP FORTY CROPS

<u>2003</u> <u>RANKING</u>			<u>2002</u> <u>RANKING</u>
1	CATTLE	\$238,303,000	1
2	ALFALFA	97,062,000	3
3	LEAF LETTUCE	71,883,000	4
4	CARROTS	60,163,000	5
5	LETTUCE	59,338,000	2
6	ONIONS	57,981,000	11
7	SUGAR BEETS	46,520,000	7
8	MISC. LIVESTOCK	42,833,000	6
9	CANTALOUPE	38,089,000	10
10	WHEAT	33,249,000	16
11	BROCCOLI	31,352,000	9
12	MISC. VEGETABLES	28,932,000	12
13	BERMUDAGRASS HAY	27,367,000	15
14	DATES	18,669,000	14
15	SWEET CORN	18,136,000	23
16	AQUATIC PRODUCTS	14,549,000	26
17	SALAD PRODUCTS	13,941,000	17
18	CAULIFLOWER	13,475,000	20
19	SUDANGRASS HAY	13,420,000	19
20	BERMUDAGRASS SEED	12,962,000	13
21	CERTIFIED SEED	11,865,000	22
22	KLEINGRASS HAY	10,542,000	28
23	HONEYDEW & MISC. MELONS	10,392,000	32
24	MISC. SEED & NURSERY	10,052,000	27
25	ASPARAGUS	10,035,000	21
26	POTATOES	8,179,000	8
27	WATERMELONS	7,572,000	29
28	LEMONS	7,396,000	18
29	COTTON LINT	7,198,000	24
30	SHEEP	7,088,000	34
31	SPINACH	6,448,000	25
32	ALFALFA SEED	5,260,000	31
33	HONEY	3,926,000	37
34	CABBAGE	3,817,000	35
35	MISC. FIELD CROPS	3,344,000	39
36	GRAPEFRUIT	3,262,000	38
37	SPRING MIX	3,195,000	30
38	MISC. CITRUS	3,086,000	36
39	BALED STRAW	2,586,000	33
40	PASTURE	2,217,000	40

This report is published by the Agricultural Commissioner's Office with the assistance of the Imperial Irrigation District