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IMPERIAL COUNTY  
1993 AGRICULTURAL  
CROP & LIVESTOCK  
REPORT



**Agricultural Commissioner / Director of Weights And Measures / Air Quality Control**

Stephen L. Birdsall

**Assistant Agricultural Commissioner / Director of Weights & Measures / Air Quality Control**

Miguel A. Monroy

**Deputy Agricultural Commissioner**

Dick S. Dillon, Standardization, Pest Exclusion, Seed Law

Martin D. Fitzurka, Weights and Measures

Clifford A. Gruenberg, Pesticide Use Enforcement

Connie L. Valenzuela, Detection and Eradication

**Deputy Air Quality Control Officer**

Jeannette Bryant, Compliance, Rules

Gaspar Torres, Permitting, Monitoring

**Whitefly Program Coordinator**

David Ritter

**Plant Pathologist / Entomologist**

Richard C. Weddle, PhD.

**Lead Agricultural Biologist**

Jim Donnelly    Linda Evans    Doug Gertenbach    Roger Jacobs    Louis Poloni

**Agricultural Biologist III**

Victor Carrera    Phyllis L. Cason    Robert Garcia    Charlotte Murray

Robert Powell    Carlos Ortiz    Michael Seitz

**Agricultural Biologist II**

Jolene Carson    Bhupinder-Dhillon    Frank Duarte    Jim Johnson

Licia Mecate    Ramon Ortega    Allan Starr

**Air Quality Control Engineer**

Harry Dillon    Robert Fischer    Reyes Romero

**Air Quality Control Technician**

Don McElvany    Brad Poiriez

**Air Quality Control Inspector**

Christopher Lillegard

**Office Supervisor**

Marlene Brown

**Office Technician**

Silvia Murray

**Account Clerk III**

Monica Bugarin-Soucier

**Office Assistant III**

Paula Goff    Roxana Korinetz

**Office Assistant II**

Matilda Barros    Teresa Cartwright

Karen Scott    Liz Urias

**Seasonal Agricultural Biologists**

Shawn Akin

Paul Andaverde

Jose Barajas

William Beasley

Robert Beeman

Jonnie Jean Bolin

Darrell Byrd

Treda Cadrez

James Carey

Phillip Castro

Gail Culver

Sandi Diaz

Francisco Garcia

Tony Green

Charles Holmes

Howard Jencks

Bobby Lee

Danny Levy

Joe Lorance

Jonhenry Luke

Joseph McKim

Rosalio Mendoza

Matthew Mills

Lamar Parker

Anthony Pavao

Luis Pineda

Tommy Spradling

Suzanne Thetford

Ramona Vargas

Jose Zuniga

**AGRICULTURAL**  
**SEALER OF WEIGHTS**



**COMMISSIONER**  
**AND MEASURES**

STEPHEN L. BIRDSALL • COMMISSIONER • DIRECTOR  
MIGUEL A. MONROY • ASSISTANT COMMISSIONER • DIRECTOR

150 SOUTH NINTH STREET • EL CENTRO, CA 92243-2850  
TELEPHONE: (619) 339-4314

May 26, 1994

TO: Henry Voss, Director  
Department of Food and Agriculture  
and  
The Honorable Board of Supervisors  
County of Imperial  
Sam Sharp, Chairman  
Bill Cole  
Brad Luckey  
Dean A. Shores  
Wayne VanDeGraaff

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Annual Crop Report for 1993. This report is a summary of acreage, yields, and gross value of agricultural production in Imperial County. I wish to emphasize that this report represents gross returns to the producer and does not indicate actual net profit.

The total agricultural production value in 1993 was \$1,020,513,000. This is a 19.35 percent increase from the 1992 value. The increases in values were posted in the vegetable crop (41%), field crop (18%) and livestock (1%) sectors. This increase was a direct result of higher pricing coupled with increased yields. The whitefly infestation is a significant factor in the reduction of acreage in the vegetable (13%) and field (2%) crops. The fall melon crop has nearly been eliminated. As a measure of how agricultural production impacts the County, for every thousand dollars of total gross value produced, 212 dollars of personal income is 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,

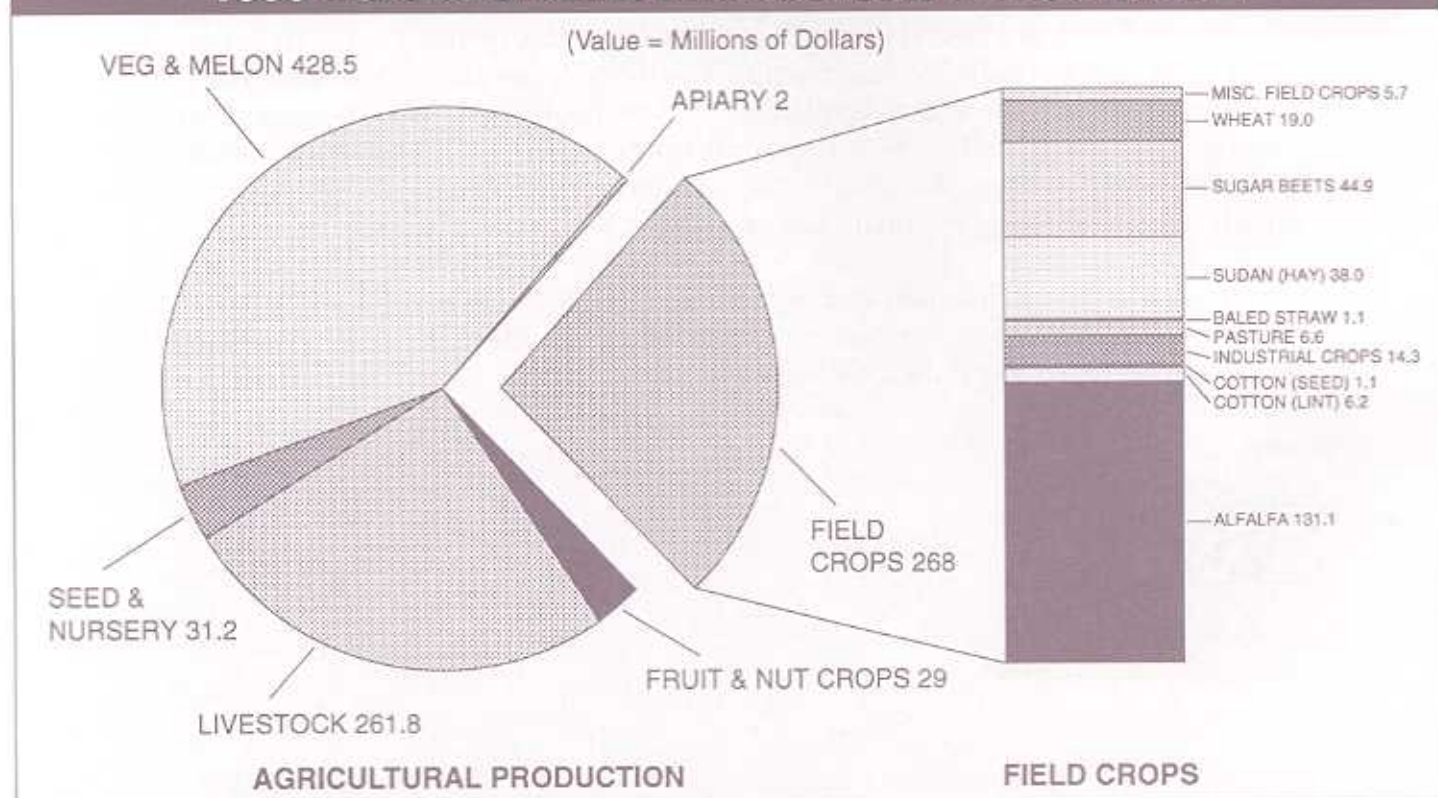
Stephen L. Birdsall  
Agricultural Commissioner

# LIVESTOCK

CROP	YEAR	TOTAL HEAD	UNIT GAIN	TOTAL GAIN	UNIT	VALUE PER UNIT	GROSS VALUE
CATTLE (Feedlot) .....	1993	288,307	B 7.86	2,267,332.08	CWT	B 72.53	164,447,000
	Finished	1992	429,062	B 7.20	3,089,246.40	CWT	B 72.54
Backgrounded .....	A1993	89,525	B 8.46	757,381.50	CWT	B 84.50	63,999,000
	A1992	42,149	B 2.45	103,265.05	CWT	B 74.80	7,724,000
<b>TOTAL CATTLE</b> .....	1993	377,832	8.01	3,024,713.58	CWT	75.53	228,446,000
	1992	471,211	6.78	3,192,511.45	CWT	72.62	231,833,000
SHEEP (Feeders) .....	1993	297,735	0.44	131,003.40	CWT	73.93	9,685,000
	1992	277,750	0.58	161,095.00	CWT	64.46	10,384,000
WOOL .....	1993	306,667		1,564,001.70	LBS	C 1.00	1,563,000
	1992	286,082		1,632,444.00	LBS	C 1.10	1,138,000
AQUATIC PRODUCTS .....	1993						7,678,000
(Fish & Algae) .....	1992						7,472,000
MISC. LIVESTOCK .....	1993						14,437,000
	(Dairy, Dairy Heifers, Swine, Goats, Rabbits, Cavies & Poultry)	1992					8,598,000
<b>VALUE 1993</b>							261,809,000
<b>VALUE 1992</b>							259,425,000

A — Backgrounded = Cattle fed but not finished for market  
 B — Based on average gain and price  
 C — Includes estimated government payments

## 1993 AGRICULTURAL PRODUCTION GROSS VALUE



# FIELD CROPS

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
ALFALFA (Cubed & Greenchopped)....	1993	10,567	8.00	84,537.12	TON	82.45	6,970,000
	1992	14,269	7.90	112,725.10	TON	75.18	8,475,000
ALFALFA HAY (Baled).....	1993	165,552	8.15	1,349,248.80	TON	92.00	124,131,000
	1992	175,993	7.90	1,390,344.70	TON	60.00	83,421,000
<b>TOTAL ALFALFA</b> .....	1993	176,119	8.14	1,433,785.92	TON	91.44	131,101,000
	1992	190,262	7.90	1,503,069.80	TON	61.14	91,896,000
COTTON (Lint).....	1993	8,919	A 2.67	23,813.73	BALE	B 260.00	6,192,000
	1992	6,349	A 2.10	13,332.90	BALE	B 275.00	3,667,000
COTTON (Seed).....	1993	8,919	.93	8,334.81	TON	130.00	1,084,000
	1992	6,349	.74	4,666.52	TON	130.00	607,000
<b>INDUSTRIAL CROPS</b> .....	1993						14,265,000
	1992						11,303,000
<b>PASTURE CROPS</b>	1993	105,898	#		ACRE	35.70	3,781,000
Alfalfa .....	1992	115,298	#		ACRE	46.20	5,327,000
Ryegrass .....	1993	6,227	C		ACRE	175.00	1,090,000
	1992	9,591	C		ACRE	245.02	2,350,000
Sugar Beet Tops .....	1993	19,247	#		ACRE	35.00	674,000
	1992	29,480	#		ACRE	46.20	1,362,000
Misc. Pasture.....	1993	27,077	#		ACRE	37.74	1,022,000
	1992	24,632	#		ACRE	31.26	770,000
<b>TOTAL PASTURE</b> .....	1993	158,449					6,567,000
	1992	179,001					9,809,000
<b>BALED STRAW</b> .....	1993			46,283.73	TON	23.49	1,087,000
	1992			80,436.75	TON	30.63	2,464,000
<b>SUDANGRASS HAY</b> .....	1993	59,822	7.63	456,441.86	TON	83.33	38,037,000
	1992	53,552	6.50	348,088.00	TON	69.00	24,018,000
<b>SUGAR BEETS</b> .....	1993	38,494	30.18	1,161,733.00	TON	38.66	44,913,000
	1992	39,307	30.08	1,182,188.00	TON	38.54	45,558,000
<b>WHEAT</b> .....	1993	54,598	2.78	151,782.44	TON	125.33	19,023,000
	1992	73,526	2.88	211,754.88	TON	154.00	32,610,000
<b>MISC. FIELD CROPS</b> .....	1993	19,597			TON	87.46	5,742,000
	1992	18,389			TON	229.01	4,211,000
<b>TOTALS 1993</b> .....	<b>ACRES</b>	404,223				<b>VALUE</b>	268,011,000
<b>TOTALS 1992</b> .....	<b>ACRES</b>	415,608				<b>VALUE</b>	226,143,000

INDUSTRIAL CROPS = Agricultural waste for fuel and oil seeds

MISC. FIELD CROPS = Barley, Bermudagrass Hay, Ryegrass Hay, Corn, Oats, Sorghum Grain, Sorghum Silage

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

A = 500 lb. Bales

B = Includes Government Payment

C = Pastured five times

# VEGETABLE AND MELON CROPS

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
<b>ASPARAGUS</b>							
Harvested .....	1993	6,184	141	870,276	30 LB CTN	29.72	25,865,000
New Seeding .....	1993	25					
Harvested .....	1992	5,216	124	645,309	30 LB CTN	31.10	20,072,000
<b>BROCCOLI (Market)</b>							
.....	1993	5,389	492	2,652,084	26 LB CTN	7.39	19,599,000
.....	1992	9,070	386	3,497,672	26 LB CTN	4.91	17,168,000
<b>CABBAGE (Market)</b>							
.....	1993	895	622	556,718	50 LB CTN	5.30	2,951,000
.....	1992	1,217	560	682,006	50 LB CTN	4.88	3,327,000
<b>CARROTS</b>							
Market .....	1993	14,811	956	14,156,354	50 LB BAG	6.76	95,668,000
.....	1992	15,233	815	12,414,895	50 LB BAG	5.75	71,386,000
Processing & Feed .....	1993		2.71	40,110	TON	5.86	235,000
.....	1992		3.00	45,699	TON	6.39	292,000
<b>TOTAL CARROTS</b> .....	1993	14,811					95,903,000
.....	1992	15,233					71,678,000
<b>CAULIFLOWER (Market)</b>							
.....	1993	4,167	468	1,948,793	23 LB CTN	8.39	16,350,000
.....	1992	7,253	380	2,755,473	23 LB CTN	5.89	16,216,000
<b>HEAD LETTUCE</b>							
Naked Pack .....	1993	13,954	494	6,891,702	50 LB CTN	7.24	49,896,000
.....	1992	15,680	417	6,541,318	50 LB CTN	3.91	25,577,000
Wrap Pack .....	1993	7,514	510	3,828,724	40 LB CTN	8.54	32,697,000
.....	1992	10,454	460	4,813,423	40 LB CTN	5.06	24,356,000
Salad Products and Trim & Cored .....	1993						11,839,000
.....	1992						12,686,000
<b>TOTAL HEAD LETTUCE</b> .....	1993	21,468					94,432,000
.....	1992	26,134					62,619,000
<b>LEAF LETTUCE</b>							
.....	1993	3,882	733	2,845,506	35 LB CTN	9.22	26,236,000
.....	1992	5,864	671	3,934,744	35 LB CTN	3.47	13,654,000
<b>ONIONS</b>							
Market .....	1993	3,576	753	2,691,651	50 LB SACK	8.29	22,314,000
.....	1992	4,112	756	3,109,594	50 LB SACK	5.01	15,579,000
Processor .....	1993	7,106	17.00	118,779	TON	76.97	9,143,000
.....	1992	5,998	17.80	106,764	TON	77.40	8,264,000
<b>TOTAL ONIONS</b> .....	1993	10,682					31,457,000
.....	1992	10,110					23,843,000

# VEGETABLE AND MELON CROPS

(continued)

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
SWEET CORN FALL & SPRING	1993	3,218	303	974,024	50 LB CTN	6.60	6,429,000
	1992	3,974	399	1,585,626	50 LB CTN	5.26	8,333,000
<b>TOMATOES</b>							
Market	1993	958	1,136	1,088,173	25 LB CTN	11.67	12,704,000
	1992	1,606	711	1,141,866	25 LB CTN	3.89	4,442,000
Processor	1993	2,500	35.13	87,830	TON	57.50	5,050,000
	1992	1,877	36.00	66,878	TON	53.21	3,559,000
TOTAL TOMATOES	1993	3,458					17,754,000
	1992	3,483					8,001,000
<b>MISC. VEGETABLES</b>							
MISC. VEGETABLES	1993	4,356					16,798,000
	1992	5,577					17,490,000
<b>CANTALOUPE</b>							
Spring	1993	13,160	631	8,297,430	40 LB CTN	6.83	56,671,000
	1992	12,677	497	6,295,590	40 LB CTN	5.01	31,541,000
Fall	1993	695	343	238,382	40 LB CTN	10.23	2,439,000
	*1992	0	0	0	40 LB CTN	0.00	0
TOTAL CANTALOUPE	1993	13,855	616	8,535,812	40 LB CTN	6.92	59,110,000
	1992	12,677	497	6,295,590	40 LB CTN	5.01	31,541,000
<b>HONEYDEW &amp; MISC. MELONS</b>							
Spring and Fall	1993	1,040	751	781,201	40 LB CTN	6.64	5,190,000
	1992	530	429	227,417	40 LB CTN	5.98	1,360,000
<b>WATERMELONS</b>							
WATERMELONS	1993	2,596	22	58,197	TON	180.00	10,475,000
	1992	2,525	22	54,742	TON	135.00	7,390,000
<b>TOTALS 1993</b>		<b>ACRES</b>	96,001			<b>VALUE</b>	428,549,000
<b>TOTALS 1992</b>		<b>ACRES</b>	108,863			<b>VALUE</b>	302,692,000

MISC VEGETABLES = Artichokes, Beans, Beets, Bell Peppers, Celery, Chinese Vegetables, Cilantro, Collards, Eggplant, Endive, Garlic, Herbs, Kale, Mustard Greens, Okra, Parsley, Parsnips, Potatoes, Radishes, Rapini, Rutabagas, Spinach, Squash, Swiss Chard, Turnips and Water Lilies

\*1992 Fall Cantaloupes are listed in Miscellaneous Vegetables

# FRUIT AND NUT CROPS

CROP	YEAR	ACRES	UNITS PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
<b>DATES</b>							
Harvested .....	1993	718	4.40	3,159.20	TON	3,915.55	12,370,000
Non-Bearing .....	1993	227					
Harvested .....	1992	607	4.66	2,828.62	TON	2,140.27	6,054,000
<b>GRAPEFRUIT</b>							
Harvested .....	1993	718	13.22	9,489.09	TON	275.37	2,613,000
Non-Bearing .....	1993	253					
Harvested .....	1992	718	14.20	10,194.49	TON	401.59	4,094,000
<b>LEMONS</b>							
Harvested .....	1993	1,756	7.49	13,152.44	TON	569.48	7,490,000
Non-Bearing .....	1993	297					
Harvested .....	1992	1,700	9.79	16,634.50	TON	863.69	14,367,000
<b>ORANGES (NAVELS &amp; VALENCIA)</b>							
Harvested .....	1993	608	7.89	4,794.48	TON	382.73	1,835,000
Non-Bearing .....	1993	112					
Harvested .....	1992	608	8.29	5,039.10	TON	441.75	2,226,000
<b>TANGERINES</b>							
Harvested .....	1993	106	10.99	1,164.94	TON	517.62	603,000
Non-Bearing .....	1993	576					
Harvested .....	1992	106	8.48	898.35	TON	756.94	680,000
<b>MISC. CITRUS, FRUIT &amp; NUT CROPS</b>							
Harvested .....	1993	601	6.12	3,675.12	TON	859.84	3,160,000
Non-Bearing .....	1993	132					
Harvested .....	1992	567	6.14	3,478.72	TON	785.63	2,733,000
<b>CITRUS BY-PRODUCTS</b>							
	1993			17,304.55	TON	51.03	883,000
	1992			18,328.00	TON	32.25	591,000
<b>TOTALS 1993</b> .....	<b>ACRES</b>	4,507				<b>VALUE</b>	28,954,000
<b>TOTALS 1992</b> .....	<b>ACRES</b>	4,306				<b>VALUE</b>	30,745,000

MISC. CITRUS = Limes, Temples and Tangelos  
 FRUIT AND NUT CROPS = Pecans, Grapes, Peaches, Mangos and Guavas



## SEED CROPS AND NURSERY PRODUCTS

CROP	YEAR	ACRES	UNITS PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
ALFALFA SEED .....	1993	5,582	353	1,970,446	LBS	1.14	2,256,000
	1992	7,099	350	2,484,650	LBS	0.80	1,988,000
BERMUDAGRASS SEED .....	1993	15,558	365	5,678,670	LBS	1.73	9,796,000
	1992	17,400	510	8,874,000	LBS	2.13	18,902,000
ONION SEED .....	1993	2,925	252	737,100	LBS	8.52	6,280,000
	1992	2,928	375	1,097,850	LBS	4.96	5,446,000
MISC. FIELD, VEGETABLE & FLOWER SEED CROPS & NURSERY .....	1993	833					6,165,000
	1992	895					4,060,000
CERTIFIED SEED .....	1993	12,258					6,686,000
	1992	8,062					2,996,000
<b>TOTALS 1993 .....</b>	<b>ACRES</b>	<b>37,156</b>				<b>VALUE</b>	<b>31,183,000</b>
<b>TOTALS 1992 .....</b>	<b>ACRES</b>	<b>36,384</b>				<b>VALUE</b>	<b>33,392,000</b>

MISC. FIELD, VEGETABLE AND FLOWER SEED CROPS = Artichoke, Asparagus, Beet, Broccoli, Carrots, Celery, Cauliflower, Flax, Flowers, Herbs, Kale, Mustard, Okra, Parsley, Radish, Rhubarb, Ryegrass, Sesbania, Squash, Sudangrass, Swiss Chard

CERTIFIED SEED = Alfalfa, Artichoke, Asparagus, Bermudagrass, Flax, Oats, Rape, Sudangrass, Wheat

## APIARY PRODUCTS

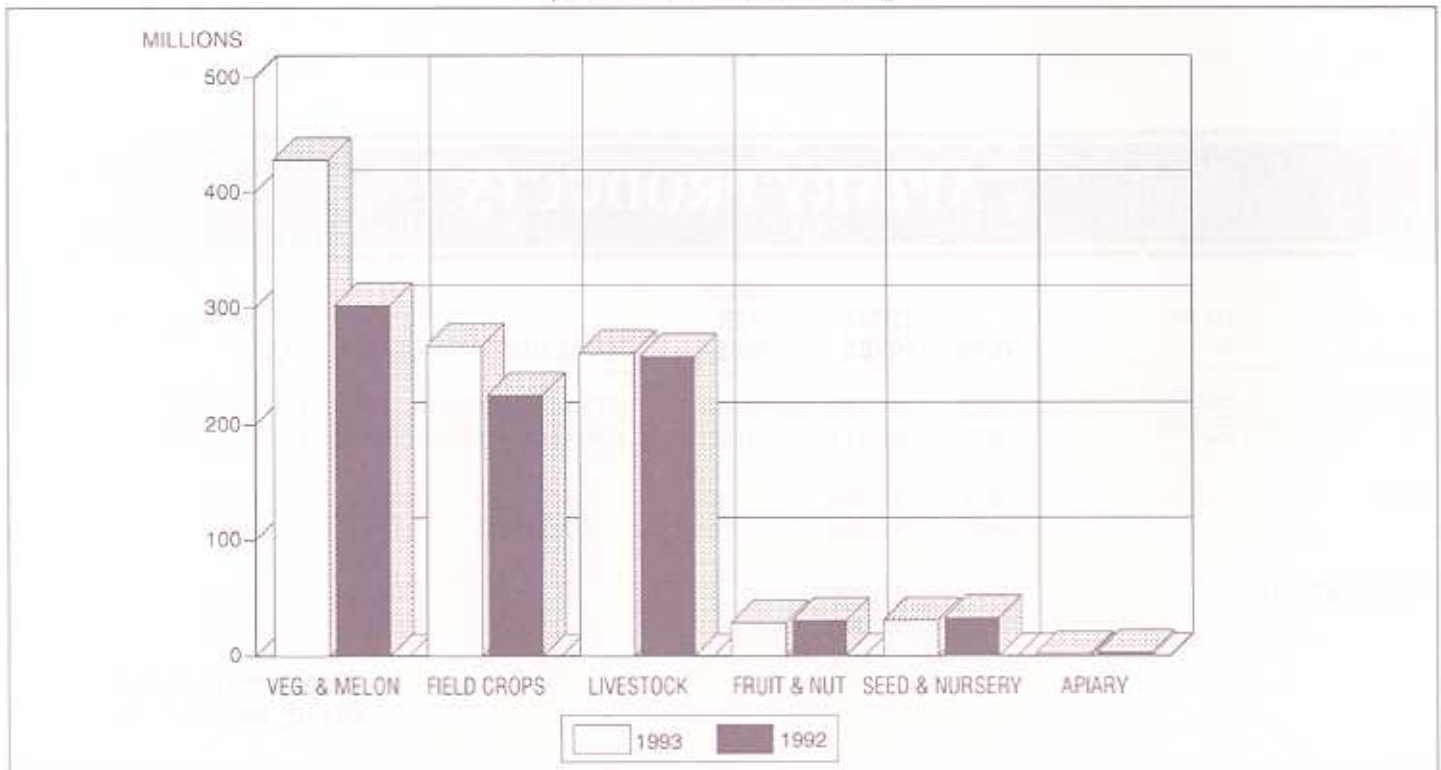
	YEAR	TOTAL HIVES	YIELD PER HIVE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
HONEY .....	1993	36,429	59.83	2,179,494.00	LBS	0.53	1,153,000
	1992	44,311	61.00	2,702,971.00	LBS	0.54	1,460,000
WAX .....	1993	36,189	1.07	38,590.39	LBS	1.35	52,000
	1992	42,354	1.20	50,861.00	LBS	1.26	64,000
POLLINATION .....	1993	44,225			COL	18.13	802,000
	1992	63,840			COL	18.00	1,149,000
						<b>VALUE 1993</b>	<b>2,007,000</b>
						<b>VALUE 1992</b>	<b>2,673,000</b>

# 1993 SUMMARY

COMMODITY	YEAR	HARVESTED ACREAGE	VALUE
VEGETABLE & MELON CROPS .....	1993	96,001	428,549,000
	1992	108,863	302,692,000
FIELD CROPS .....	1993	404,223	268,011,000
	1992	415,608	226,143,000
LIVESTOCK .....	1993		261,809,000
	1992		259,425,000
FRUIT & NUT CROPS .....	1993	4,507	28,954,000
	1992	4,306	30,745,000
SEED & NURSERY CROPS .....	1993	37,156	31,183,000
	1992	36,384	33,392,000
APIARY PRODUCTS .....	1993		2,007,000
	1992		2,673,000
TOTALS .....	1993	541,887	1,020,513,000
	1992	565,161	855,070,000

## GROSS VALUE 1993-1992 COMPARISON

(Value = Millions of Dollars)



## MILLION DOLLAR PRODUCTS

**1993  
RANKING**

**1992  
RANKING**

1	CATTLE .....	\$228,446,000	1
2	ALFALFA .....	131,101,000	2
3	CARROTS .....	95,903,000	3
4	LETTUCE .....	94,432,000	4
5	CANTALOUPE .....	59,110,000	7
6	SUGAR BEETS .....	44,913,000	5
7	SUDANGRASS HAY .....	38,037,000	8
8	ONIONS .....	31,457,000	9
9	LEAF LETTUCE .....	26,236,000	16
10	ASPARAGUS .....	25,865,000	10
11	BROCCOLI .....	19,599,000	13
12	WHEAT .....	19,023,000	6
13	MISC. VEGETABLES .....	16,798,000	12
14	CAULIFLOWER .....	16,350,000	14
15	MISC. LIVESTOCK .....	14,437,000	20
16	INDUSTRIAL CROPS .....	14,265,000	17
17	TOMATOES - MARKET .....	12,704,000	26
18	DATES .....	12,370,000	24
19	WATERMELONS .....	10,475,000	23
20	BERMUDAGRASS SEED .....	9,796,000	11
21	SHEEP .....	9,685,000	18
22	AQUATIC PRODUCTS .....	7,678,000	22
23	LEMONS .....	7,490,000	15
24	CERTIFIED SEED .....	6,686,000	33
25	TOTAL PASTURE .....	6,567,000	19
26	SWEET CORN .....	6,429,000	21
27	ONION SEED .....	6,280,000	25
28	COTTON LINT .....	6,192,000	30
29	MISC. SEED & NURSERY .....	6,165,000	29
30	MISC. FIELD CROPS .....	5,742,000	27
31	HONEYDEW & MISC. MELONS .....	5,190,000	*
32	TOMATOES - PROCESSOR .....	5,050,000	31
33	MISC. CITRUS, FRUITS & NUTS .....	3,160,000	34
34	CABBAGE .....	2,951,000	32
35	GRAPEFRUIT .....	2,613,000	28
36	ALFALFA SEED .....	2,256,000	37
37	ORANGES .....	1,835,000	36
38	WOOL .....	1,563,000	40
39	HONEY .....	1,153,000	38
40	BALED STRAW .....	1,087,000	35
41	COTTON SEED .....	1,084,000	*

\*NEW FOR 1993

Stephen L. Birdsall

Office of Agricultural Commissioner  
Sealer of Weights and Measures

Imperial County

150 South Ninth Street

El Centro, CA 92243-2850

