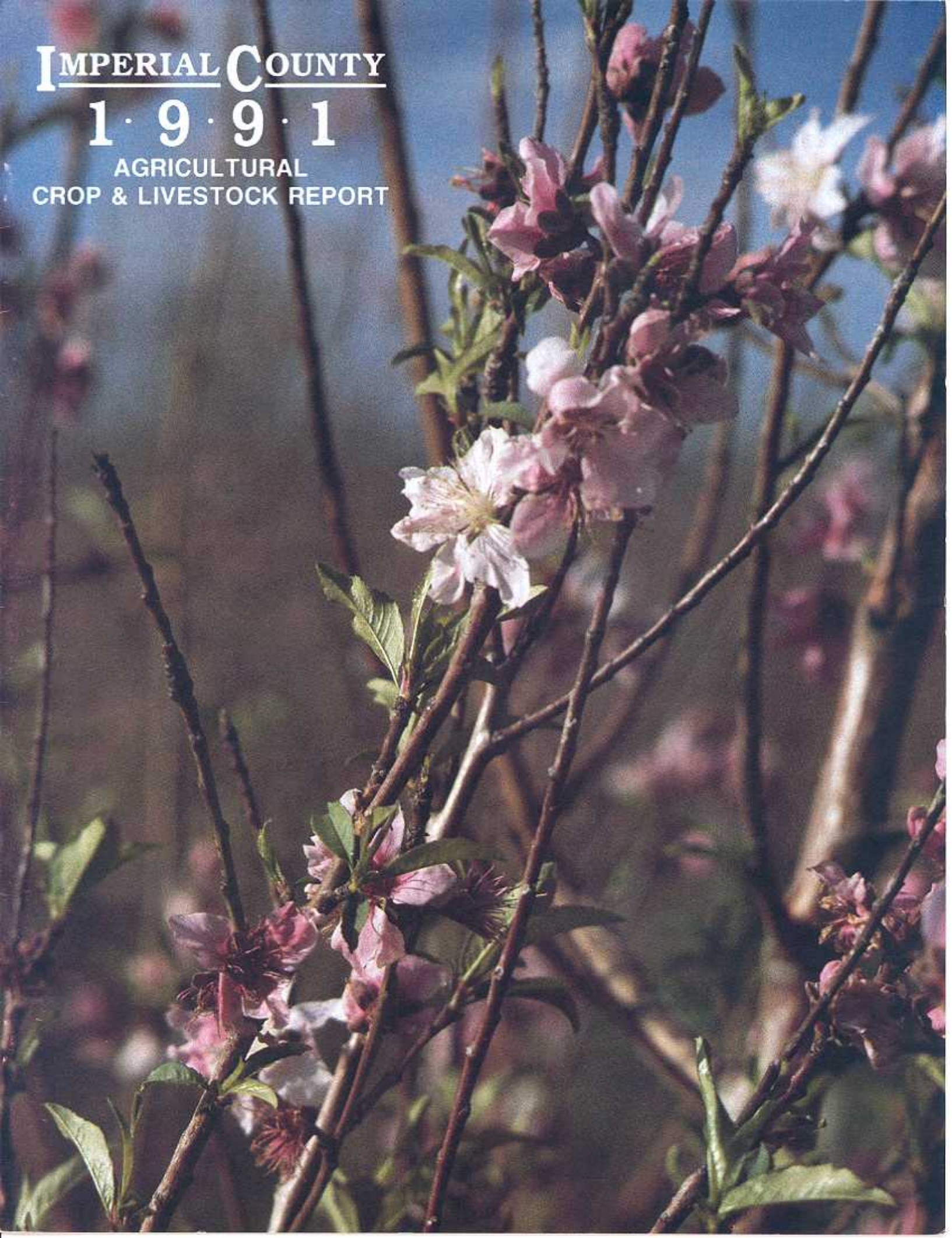


IMPERIAL COUNTY

1 · 9 · 9 · 1

AGRICULTURAL
CROP & LIVESTOCK REPORT



AGRICULTURAL COMMISSIONER/DIRECTOR OF WEIGHTS & 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, Quarantine, 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
Gaspar F. Torres

PLANT PATHOLOGIST/ENTOMOLOGIST
Richard C. Weddle, PhD

WHITEFLY PROGRAM COORDINATOR
David Ritter

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 Carlos Ortiz-Arroyo Robert Powell
Michael Seitz

AGRICULTURAL BIOLOGIST II
Bhupinder Dhillon Frank Duarte Jim Johnson
Licia Mecate Allan Starr

AGRICULTURAL BIOLOGIST I
Jolene Carson Ramon Ortega Luis Pineda

AIR QUALITY CONTROL ENGINEER
Harry Dillon Robert Fischer

AIR QUALITY CONTROL TECHNICIAN
Jeannette Bryant

AIR QUALITY CONTROL INSPECTOR
Don McElvany

AGRICULTURAL ASSISTANT
Vincent Orfiano

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 Tanya Beasley Linsey Dale Lisa Prouty

SEASONAL AGRICULTURAL BIOLOGISTS
Elisa Arroyo Linda Finch Anthony Pavao
Jose Barajas Paul Fornasero Thomas Plumb
Robert Beeman Tony Green Ericela Ruiz
Harold Blythe Howard Jencks Tom Spradling
Jonnie Jean Bolin Gerald Keating Jack Thornburg
Suzanne Boratynski Carol Land Quintino Torres
Darrell Byrd Bobby Lee John Troutwine
James Carey Danny Levy Ramona Vargas
Phillip Castro Marvin McDonald David Vela
Sandi Diaz Rosalio Mendoza Jose Zuniga

COVER: Nectarine Blossoms photographed by Martin D. Fitzurka, Staff Photographer.

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

Special thanks to Phyllis L. Cason who produced this report.

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 28, 1992

TO: Henry Voss, Director
Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Imperial
Bill Cole, Chairman
James M. Bucher
Abe F. Seabolt
Sam Sharp
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 1991. This report is a summary of acreage, yields, and gross value of agricultural production in Imperial County. It does not reflect net farm income or costs of production. This report is based on average production and average value of the gross receipts.

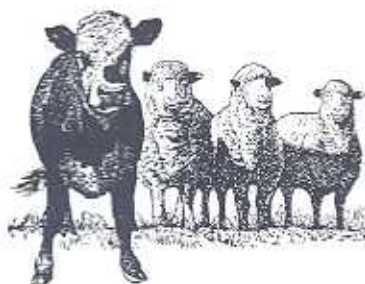
The 1991 total agricultural production value was \$952,729,000. This is a six percent decrease from the 1990 value. The reduction in values were posted principally in the field crop and livestock sectors. The vegetable and melon crop values, however, marked an increase of 15%.

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.

The sustainable agriculture report section of this report as required by AB 2665 was not collected because funds were not made available in the mandating statutes.

Sincerely,

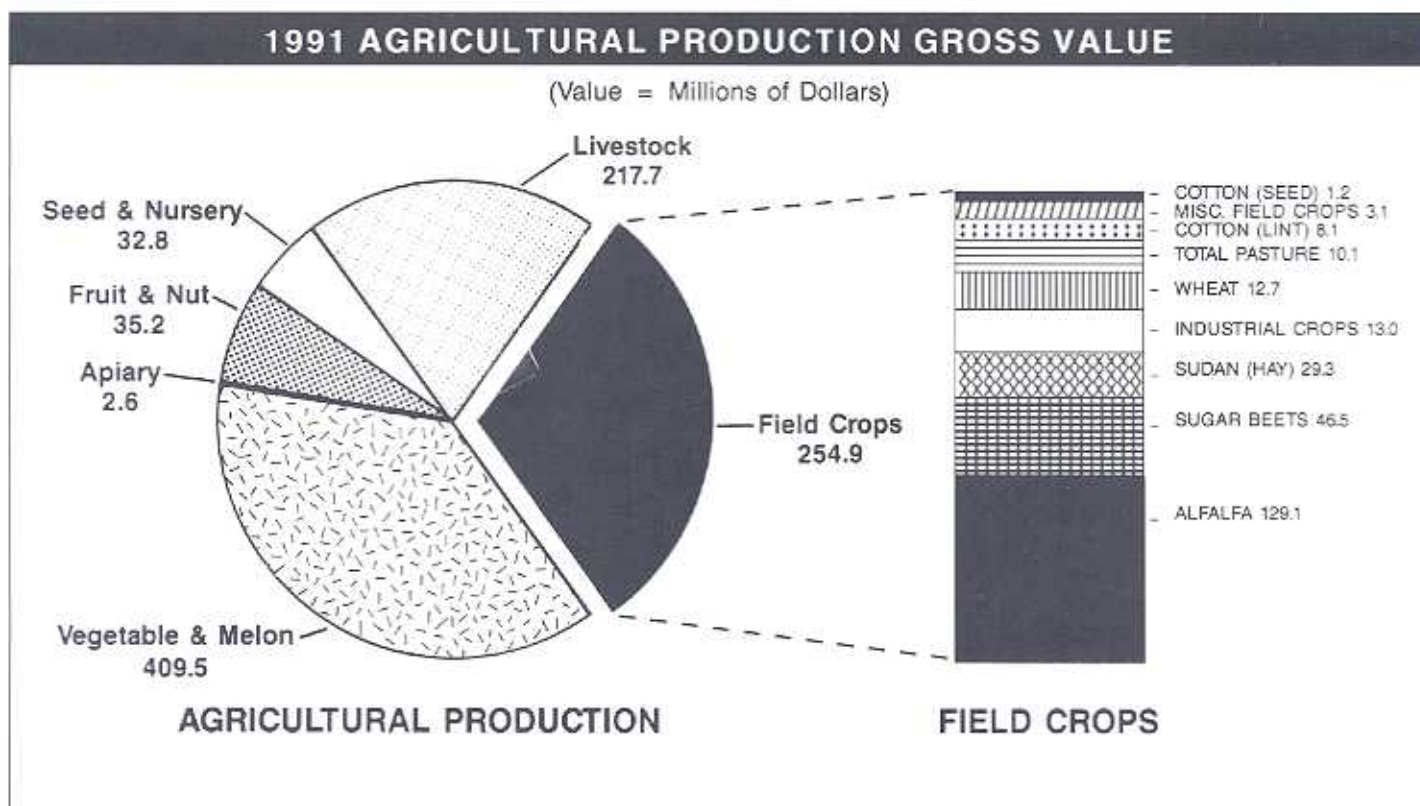
Stephen L. Birdsall
Agricultural Commissioner

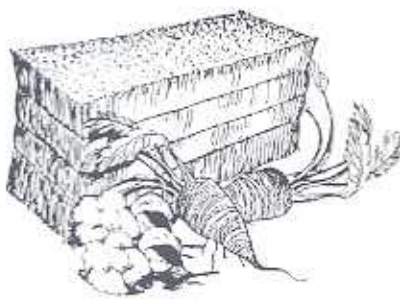


LIVESTOCK

CROP	YEAR	TOTAL HEAD	UNIT GAIN	TOTAL GAIN	UNIT	VALUE PER UNIT	GROSS VALUE
CATTLE (Feedlot)							
Finished	1991	401,860	B 6.23	2,502,262.35	CWT	B 72.74	182,022,000
	1990	420,137	B 6.74	2,831,723.30	CWT	B 76.53	216,725,000
Backgrounded	A 1991	54,799	B 2.80	153,437.20	CWT	B 75.00	11,508,000
	A 1990	91,813	B 2.78	255,240.14	CWT	B 84.00	21,440,000
TOTAL CATTLE ...							
	1991	456,659	5.82	2,655,699.55	CWT	72.87	193,530,000
	1990	511,950	6.03	3,086,963.44	CWT	77.15	238,165,000
SHEEP (Feeders)							
	1991	270,300	.56	151,368.00	CWT	48.10	7,281,000
	1990	263,355	.47	123,776.85	CWT	59.25	7,334,000
WOOL							
	1991	278,409		1,252,840.50	LBS	C .90	1,130,000
	1990	271,500		1,086,000.00	LBS	C 1.07	1,162,000
AQUATIC PRODUCTS							
(Fish & Algae) ...	1991						8,683,000
	1990						8,629,000
MISC. LIVESTOCK ...							
(Dairy, Dairy Heifers & Swine)	1991						7,072,000
	1990						8,972,000
						VALUE 1991	217,696,000
						VALUE 1990	264,262,000

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





FIELD CROPS

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
ALFALFA (Cubed & Greenchop)	1991	14,493	8.50	123,190.50	TON	88.46	10,897,000
	1990	23,184	9.70	224,884.80	TON	129.70	29,168,000
ALFALFA HAY (Baled)	1991	192,538	8.50	1,636,573.00	TON	72.22	118,193,000
	1990	170,017	9.70	1,649,164.90	TON	108.09	178,258,000
TOTAL ALFALFA	1991	207,031	8.50	1,759,763.50	TON	73.36	129,090,000
	1990	193,201	9.70	1,874,049.70	TON	110.68	207,426,000
COTTON (Lint)	1991	12,370	A 1.81	22,389.70	BALE	B 363.00	8,127,000
	1990	15,442	A 2.05	31,656.10	BALE	B 365.00	11,554,000
COTTON (Seed)	1991	12,370	.75	9,330.91	TON	132.00	1,232,000
	1990	15,442	.82	12,662.44	TON	128.00	1,621,000
INDUSTRIAL CROPS	1991						12,993,000
	1990						11,011,000
PASTURE CROPS							
Alfalfa	1991	125,598	#		ACRE	46.20	5,803,000
	1990	115,920	#		ACRE	46.20	5,356,000
Ryegrass	1991	7,698	C		ACRE	245.00	1,886,000
	1990	8,876	C		ACRE	175.00	1,553,000
Sugar Beet Tops	1991	34,070	#		ACRE	46.20	1,574,000
	1990	31,895	#		ACRE	28.00	893,000
Misc. Pasture	1991	27,785	#		ACRE	31.27	869,000
	1990	21,865	#		ACRE	30.80	673,000
TOTAL PASTURE	1991	195,151			ACRE	52.47	10,132,000
	1990	178,556			ACRE	47.46	8,475,000
BALED STRAW (Wheat, Bermuda, Alfalfa)	1991			61,813.50	TON	29.81	1,843,000
	1990			50,787.90	TON	34.29	1,742,000
SUDANGRASS HAY	1991	66,929	5.00	334,645.00	TON	87.50	29,281,000
	1990	42,087	8.00	336,696.00	TON	101.83	34,286,000
SUGAR BEETS	1991	37,856	28.23	1,068,485.00	TON	43.47	46,448,000
	1990	35,439	28.60	1,013,555.40	TON	44.28	44,882,000
WHEAT	1991	33,952	2.49	84,608.38	TON	150.00	12,691,000
	1990	58,728	2.85	167,374.80	TON	122.00	20,420,000
MISC. FIELD CROPS	1991	13,153			TON	57.16	3,058,000
	1990	17,825			TON	93.57	5,080,000
TOTALS 1991	ACRES	380,534				VALUE	254,895,000
TOTALS 1990	ACRES	371,598				VALUE	346,497,000

INDUSTRIAL CROPS = Agricultural waste for fuel and oil seeds

MISC. FIELD CROPS = Barley, Bermudagrass Hay, Corn, Hemp, Knaf, Oats, Rape, Ryegrass Hay, Sesbania, Sugar Cane and Sorghum Silage

MISC. PASTURE = Bermudagrass, Oats and Sudangrass

= Pastured one time and most acres are counted in other crops

A = 500 lb. Bales

B = Includes government payment

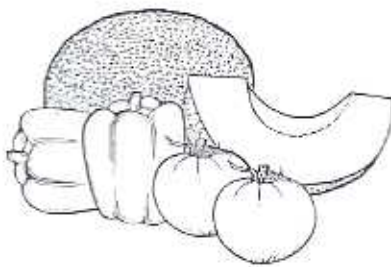
C = Pastured five times



VEGETABLE AND MELON CROPS

CROP	YEAR	YIELD		TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
		ACRES	PER ACRE				
ASPARAGUS							
Harvested	1991	5,961	102	608,430	30 LB CTN	30.62	18,630,000
New Seeding	1991	444					
Harvested	1990	4,516	143	646,740	30 LB CTN	39.23	25,372,000
BROCCOLI (Market)	1991	8,764	461	4,404,102	26 LB CTN	5.55	24,458,000
	1990	10,484	445	4,666,288	26 LB CTN	4.93	23,033,000
CABBAGE (Market)	1991	1,141	423	482,167	50 LB CTN	3.54	1,712,000
	1990	862	712	614,391	50 LB CTN	8.03	4,936,000
CARROTS							
Market	1991	9,959	726	7,230,331	50 LB BAG	7.57	52,536,000
	1990	12,682	705	8,950,944	50 LB BAG	6.14	55,000,000
Processing & Feed	1991		3	31,661	TON	6.32	200,000
	1990		2	25,868	TON	6.34	164,000
TOTAL CARROTS	1991	9,959					52,736,000
	1990	12,682					55,164,000
CAULIFLOWER (Market)	1991	8,399	405	3,401,856	23 LB CTN	7.44	25,298,000
	1990	8,683	456	3,962,615	23 LB CTN	5.43	21,517,000
HEAD LETTUCE							
Naked Pack	1991	20,599	363	7,467,248	50 LB CTN	4.61	34,424,000
	1990	27,327	380	10,391,193	50 LB CTN	* 3.65	37,928,000
Wrap Pack	1991	15,539	353	5,494,650	40 LB CTN	5.76	31,649,000
	1990	11,711	380	4,453,369	40 LB CTN	* 3.27	14,607,000
Trim & Cored	1991			1,127,108	35 LB CTN	5.91	6,661,000
	1990			229,120	35 LB CTN	* 2.77	635,000
Salad Products	1991			8,668,860	20 LB BAG	4.19	36,285,000
	1990			2,991,342	20 LB BAG	* 2.87	8,599,000
TOTAL HEAD LETTUCE	1991	36,138					109,019,000
	1990	39,038					61,769,000
LEAF LETTUCE	1991	3,892	695	2,704,940	35 LB CTN	5.85	15,824,000
	1990	4,241	607	2,576,353	35 LB CTN	5.65	14,557,000
ONIONS							
Market	1991	3,680	796	2,928,763	50 LB SACK	11.74	34,384,000
	1990	3,565	917	3,271,652	50 LB SACK	6.72	21,985,000
Processor	1991	7,826	19	147,559	TON	78.48	11,580,000
	1990	6,560	19	125,361	TON	73.97	9,273,000
TOTAL ONIONS	1991	11,506					45,964,000
	1990	10,125					31,258,000

* - Container price based on average price per pound



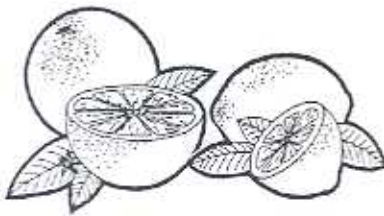
VEGETABLE AND MELON CROPS

(continued)

CROP	YEAR	YIELD			UNIT	VALUE PER UNIT	GROSS VALUE
		ACRES	PER ACRE	TOTAL UNITS			
TOMATOES							
Market & Processor . . .	1991	6,753	33	223,707	TON	165.82	37,094,000
	1990	11,596	31	354,053	TON	70.24	24,870,000
MISC. VEGETABLES . . .							
	1991	7,579					20,479,000
	** 1990	5,008					20,053,000
CANTALOUPE							
Spring	1991	23,273	211	4,914,088	40 LB CTN	9.83	48,302,000
	1990	24,821	198	4,921,499	40 LB CTN	9.28	45,696,000
Fall	1991	7,408	20	148,232	40 LB CTN	6.75	1,001,000
	1990	10,331	227	2,349,879	40 LB CTN	6.99	16,444,000
TOTAL CANTALOUPE	1991	30,681	165	5,062,320	40 LB CTN	9.74	49,303,000
	1990	35,152	207	7,271,378	40 LB CTN	8.54	62,140,000
HONEYDEW MELONS							
Spring	1991	776	257	199,556	30 LB CTN	10.79	2,153,000
	1990	975	181	176,999	30 LB CTN	7.08	1,253,000
Fall	1991	1,428	10	13,910	30 LB CTN	6.50	90,000
	1990	2,010	345	693,865	30 LB CTN	8.22	5,704,000
TOTAL HONEYDEWS	1991	2,204	96	213,466	30 LB CTN	10.51	2,243,000
	1990	2,985	291	870,864	30 LB CTN	7.99	6,957,000
MISC. MELONS							
Spring	1991	464	192	88,985	30 LB CTN	11.50	1,023,000
	1990	377	321	121,262	30 LB CTN	3.55	431,000
Fall	1991	313	0	0	30 LB CTN	0	0
	1990	443	70	31,155	30 LB CTN	1.18	37,000
TOTAL MISC. MELONS	1991	777	115	88,985	30 LB CTN	11.50	1,023,000
	1990	820	185	152,417	30 LB CTN	3.07	468,000
WATERMELONS							
	1991	2,365	11	26,523	TON	214.40	5,687,000
	1990	3,233	6	18,014	TON	153.99	2,774,000
TOTALS 1991	ACRES	136,119				VALUE	409,470,000
** TOTALS 1990	ACRES	149,425				VALUE	354,868,000

MISC. VEGETABLES = Artichokes, Beans, Beets, Bell Peppers, Celery, Chinese Vegetables, Cilantro, Collards, Corn, Cucumbers, Dill, Eggplant, Fennel, Garlic, Mixed Herbs, Kale, Kohlarbi, Mustard Greens, Parsnips, Potatoes, Radishes, Rapini, Spinach, Squash, Swiss Chard, Turnips and Water Lilies

** - 1990 Revised



FRUIT AND NUT CROPS

<u>CROP</u>	<u>YEAR</u>	<u>ACRES</u>	<u>UNITS PER ACRE</u>	<u>TOTAL UNITS</u>	<u>UNIT</u>	<u>VALUE PER UNIT</u>	<u>GROSS VALUE</u>
DATES							
Harvested	1991	615	3.26	2,006.75	TON	4,205.79	8,440,000
Non-Bearing	1991	188					
Harvested	1990	517	3.36	1,736.70	TON	3,977.66	6,908,000
GRAPEFRUIT							
Harvested	1991	635	10.46	6,640.61	TON	335.89	2,230,000
Non-Bearing	1991	323					
Harvested	1990	315	9.90	3,118.50	TON	475.55	1,483,000
LEMONS							
Harvested	1991	1,715	8.57	14,695.84	TON	851.05	12,507,000
Non-Bearing	1991	163					
Harvested	1990	1,491	6.46	9,631.86	TON	658.96	6,347,000
ORANGES (NAVELS & VALENCIA)							
Harvested	1991	491	19.90	9,769.56	TON	693.26	6,773,000
Non-Bearing	1991	169					
Harvested	1990	491	11.42	5,607.22	TON	455.48	2,554,000
TANGERINES							
Harvested	1991	159	10.36	1,646.86	TON	568.01	935,000
Non-Bearing	1991	226					
Harvested	1990	120	12.97	1,556.46	TON	511.42	796,000
MISC. CITRUS, FRUIT & NUT CROPS							
Harvested	1991	818	4.09	3,346.38	TON	1,052.28	3,521,000
Non-Bearing	1991	368					
Harvested	1990	593	3.00	1,778.10	TON	1,187.78	2,112,000
CITRUS BY-PRODUCTS							
	1991			14,184.78	TON	58.76	833,000
	1990			10,533.76	TON	67.87	715,000
TOTALS 1991		ACRES	4,433			VALUE	35,239,000
TOTALS 1990		ACRES	3,527			VALUE	20,915,000

MISC. CITRUS = Limes, Temples and Tangelos
 FRUIT & NUT CROPS = Pecans, Grapes, Peaches, Mangos, Nectarines and Peanuts



SEED CROPS & NURSERY PRODUCTS

CROP	YEAR	ACRES	UNITS		UNIT	VALUE PER UNIT	GROSS VALUE
			PER ACRE	TOTAL UNITS			
ALFALFA SEED	1991	13,742	333.95	4,589,140.90	LBS	1.19	5,461,000
	1990	15,795	360.00	5,686,200.00	LBS	1.50	8,529,000
BERMUDAGRASS SEED	1991	13,830	482.20	6,668,826.00	LBS	1.52	10,137,000
	1990	11,954	398.75	4,766,657.00	LBS	1.22	5,815,000
ONION SEED	1991	2,536	463.00	1,174,168.00	LBS	4.80	5,636,000
	1990	3,339	451.35	1,507,050.00	LBS	4.60	6,932,000
MISC. FIELD, VEGETABLE & FLOWER SEED & NURSERY	1991	1,539					6,982,000
	1990	3,442					2,176,000
CERTIFIED SEED	1991	8,744					4,617,000
	1990	6,718					3,416,000
TOTALS 1991	ACRES	40,391				VALUE	32,833,000
TOTALS 1990	ACRES	41,248				VALUE	26,868,000

MISC. FIELD CROP, VEG. & FLOWER SEED = Artichoke, Asparagus, Broccoli, Carrots, Cantaloupe, Cauliflower, Cucumber, Flowers, Honeydew, Leaf Lettuce, Mustard, Okra, Parsley, Ryegrass, Sesame, Squash, Sudangrass, Swiss Chard, Watermelon

CERTIFIED SEED = Alfalfa, Artichoke, Asparagus, Bermudagrass, Rape, Wheat



APIARY PRODUCTS

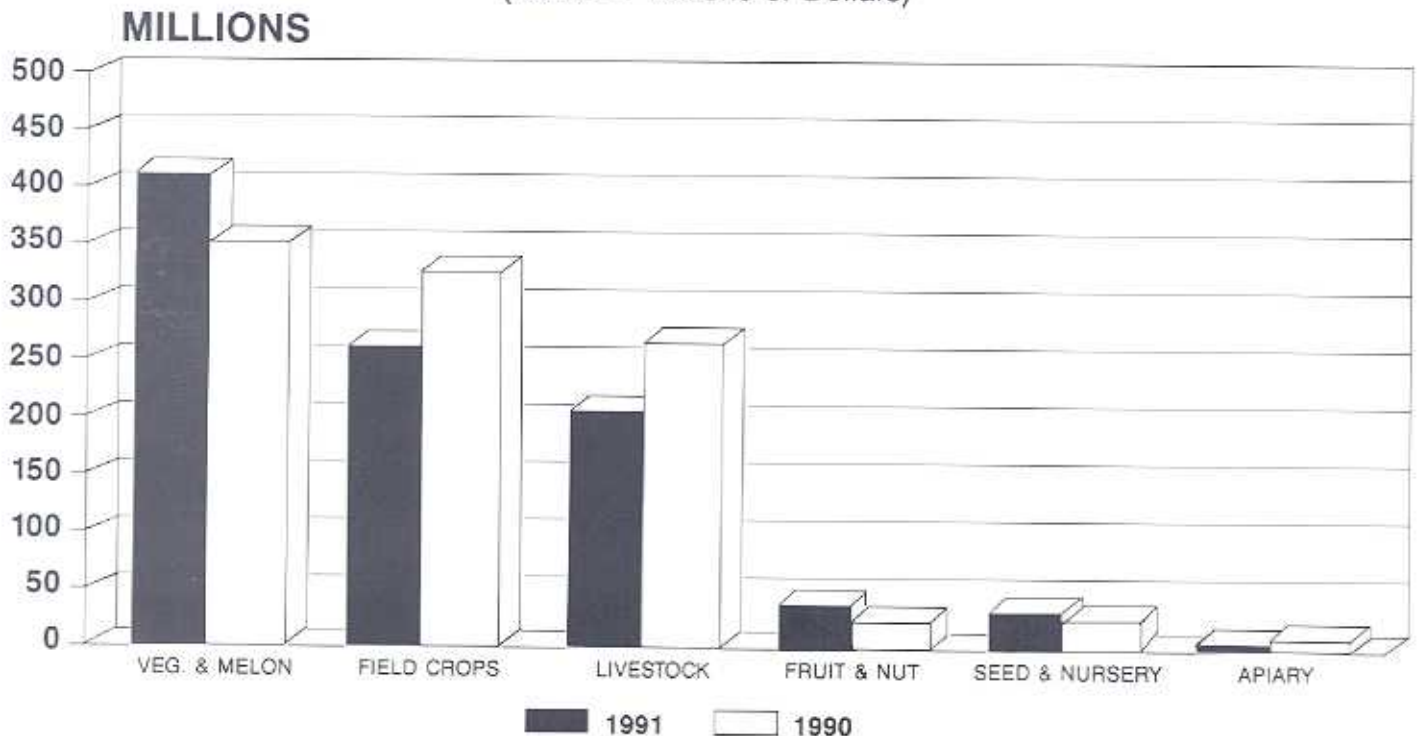
CROP	YEAR	TOTAL HIVES	YIELD PER HIVE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
HONEY	1991	45,065	67.58	2,655,627.08	LBS	.52	1,378,000
	1990	67,437	30.00	2,023,136.00	LBS	.46	931,000
WAX	1991	44,525	1.31	59,711.96	LBS	1.17	70,000
	1990	67,437	.50	33,718.50	LBS	1.25	42,000
POLLINATION	1991	62,079			COL	18.49	1,148,000
	1990	134,874			COL	18.00	2,428,000
						VALUE 1991	2,596,000
						VALUE 1990	3,401,000

SUMMARY

COMMODITY	YEAR	HARVESTED ACREAGE	VALUE
VEGETABLE & MELON CROPS	1991	136,119	\$ 409,470,000
	1990	*149,425	354,868,000
FIELD CROPS	1991	380,534	254,895,000
	1990	371,598	346,497,000
LIVESTOCK	1991		217,696,000
	1990		264,262,000
FRUIT & NUT CROPS	1991	4,433	35,239,000
	1990	3,527	20,915,000
SEED CROPS & NURSERY PRODUCTS	1991	40,391	32,833,000
	1990	41,248	26,868,000
APIARY PRODUCTS	1991		2,596,000
	1990		3,401,000
TOTAL	1991	561,477	\$ 952,729,000
	1990	565,798	1,016,811,000

* - 1990 Revised

GROSS VALUE 1991-1990 COMPARISON (Value = Millions of Dollars)



MILLION DOLLAR PRODUCTS

1991 RANKING

1990 RANKING

1	CATTLE	\$193,530,000	1
2	ALFALFA	129,090,000	2
3	LETTUCE	109,019,000	4
4	CARROTS	52,736,000	5
5	CANTALOUPE	49,303,000	3
6	SUGAR BEETS	46,448,000	6
7	ONIONS	45,964,000	8
8	TOMATOES	37,094,000	10
9	SUDANGRASS HAY	29,281,000	7
10	CAULIFLOWER	25,298,000	12
11	BROCCOLI	24,458,000	11
12	MISC. VEGETABLES	20,479,000	14
13	ASPARAGUS	18,630,000	9
14	LEAF LETTUCE	15,824,000	15
15	INDUSTRIAL CROPS	12,993,000	17
16	WHEAT	12,691,000	13
17	LEMONS	12,507,000	26
18	BERMUDAGRASS SEED	10,137,000	27
19	TOTAL PASTURE	10,132,000	21
20	COTTON (LINT)	8,127,000	16
21	DATES	8,440,000	25
22	AQUATIC PRODUCTS	8,683,000	19
23	SHEEP	7,281,000	22
24	MISC. LIVESTOCK	7,072,000	18
25	MISC. SEED & NURSERY	6,982,000	38
26	ORANGES	6,773,000	32
27	WATERMELONS	5,687,000	31
28	ONION SEED	5,636,000	24
29	ALFALFA SEED	5,461,000	20
30	CERTIFIED SEED	4,617,000	30
31	MISC. CITRUS, FRUIT & NUT	3,521,000	34
32	MISC. FIELD CROPS	3,058,000	28
33	HONEYDEW MELONS	2,243,000	23
34	GRAPEFRUIT	2,230,000	37
35	BALED STRAW	1,843,000	35
36	CABBAGE	1,712,000	29
37	HONEY	1,378,000	**
38	COTTON SEED	1,232,000	36
39	POLLINATION	1,148,000	33
40	WOOL	1,130,000	39
41	MISC. MELONS	1,023,000	**

** REPORTED AT LESS THAN ONE MILLION DOLLARS IN 1990

Stephen L. Birdsall
Office of Agricultural Commissioner
Sealer of Weights and Measures
Imperial County
150 South Ninth Street
El Centro, CA 92243-2850

