

IMPERIAL COUNTY



1990 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, Ph.D.

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-Arroyo Michael Seitz

AGRICULTURAL BIOLOGIST II

Frank Duarte Bhupinder Dhillon

Jim Johnson Allan Starr

AGRICULTURAL BIOLOGIST I

Suzanne Boratynski Lidia Mecate Luis Pineda

Jolene Carson Ramon Ortega

AIR QUALITY CONTROL ENGINEER

Harry Dillon

AIR QUALITY CONTROL TECHNICIAN

Jeannette Bryant

AIR QUALITY CONTROL INSPECTOR

Don McElvany

AGRICULTURAL ASSISTANT

Vincent Orfano

OFFICE SUPERVISOR

Mariene Brown

OFFICE TECHNICIAN

Silvia Murray

ACCOUNT CLERK III

Monica Bugarin-Soucier

OFFICE ASSISTANT III

Paula Goff

OFFICE ASSISTANT II

Matilda Barros Tanya Beasley Linsey Dale Lisa Prouty

SEASONAL AGRICULTURAL BIOLOGISTS

Elisa Arroyo

José Barajas

Robert Beeman

Harold Blythe

Jonnie Jean Bolin

Darrell Byrd

Treda Cadrez

James Carey

Phillip Castro

Sandi Diaz

Linda Finch

Tony Green

Howard Jencks

Carol Land

Bobby Lee

Danny Levy

Marvin McDonald

Rosalio Mendoza

Anthony Pavao

Thomas Plumb

Ericela Ruiz

Jack Thornburg

Quintino Torres

Ramona Vargas

José Zuniga

Cover: Bard/Winterhaven date palms 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

April 18, 1991

TO: Henry Voss, Director
Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Imperial
James M. Bucher, Chairman
Bill Cole
Abe F. Seabolt
Sam Sharp
Wayne VanDeGraaff

I herewith submit the Annual Crop Report as required by Section 2279 of the Food and Agricultural Code.

I would like to report that the total County Agricultural production values have surpassed the one billion dollar mark for the first time. Gross annual agricultural income in 1990 was \$1,016,811,000 dollars, a 4 percent increase over the 1989 annual income. This increase was posted primarily in the field crops sector (27%) and in the livestock revenue (10%). A decline in revenue was experienced in the remainder of our agricultural economy.

I wish to emphasize that this report represents gross returns to the producer and does not indicate actual net profit. However, for every thousand dollars of total gross value produced, \$200 dollars of personal income is generated to agricultural related jobs. This accounts for 14.8% of the total personal income generated in public and private sector jobs in the county.

I wish to thank all the individuals, growers and organizations for their cooperation in providing the information required to compile this report and express special thanks to my staff 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)							
Finished.....	1990	420,137	B 6.74	2,831,723.30	CWT	B 76.53	216,725,000
Backgrounded.....	A1990	91,813	B 2.78	255,240.14	CWT	B 84.00	21,440,000
TOTAL CATTLE	1990	511,950	6.03	3,086,963.44	CWT	77.15	238,165,000
CATTLE	C1989	529,587	5.70	3,018,645.90	CWT	73.61	222,203,000
SHEEP (Feeders)							
	1990	263,355	.47	123,776.85	CWT	59.25	7,334,000
	*1989	286,974	.47	134,877.78	CWT	66.05	8,909,000
WOOL							
	1990	271,500		1,086,000.00	LBS	D 1.07	1,162,000
	*1989	295,850		1,183,400.00	LBS	D .95	1,124,000
AQUATIC PRODUCTS							
(Fish & Algae).....	1990						8,629,000
	1989						5,917,000
MISC. LIVESTOCK							
(Dairy, Dairy	1990						8,972,000
Helpers & Swine)	1989						2,145,000
							264,262,000
							240,298,000

* - 1989 Revised

A - Backgrounded = Cattle fed but not ready for market

B - Based on average gain and price

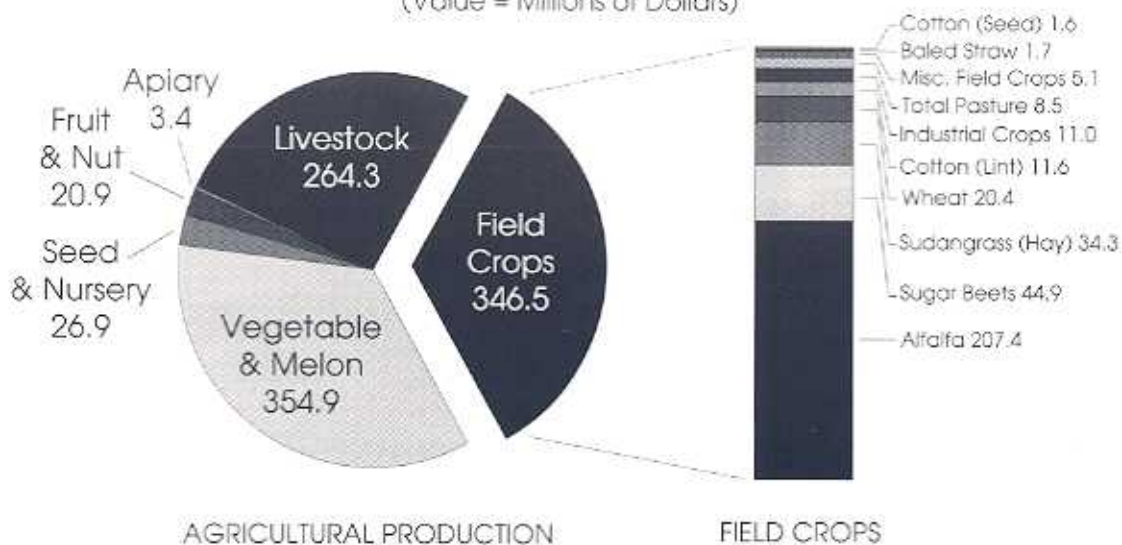
C - Not all are finished cattle

D - Includes estimated government payments

1990 AGRICULTURAL PRODUCTION

GROSS VALUE

(Value = Millions of Dollars)





FIELD CROPS

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
ALFALFA	1990	23,184	9.70	224,884.80	TON	129.70	29,168,000
(Cubed & Dehydrated)	1989	20,204	9.78	197,595.12	TON	120.00	23,711,000
ALFALFA HAY (Baled)	1990	170,017	9.70	1,649,164.90	TON	108.09	178,258,000
	1989	150,135	9.78	1,468,320.30	TON	97.13	142,618,000
TOTAL ALFALFA	1990	193,201	9.70	1,874,049.70	TON	110.68	207,426,000
	1989	170,339	9.78	1,665,915.42	TON	99.84	166,329,000
COTTON (Lint)	1990	15,442	2.05	31,656.10	BALE	365.00	11,554,000
	1989	12,967	A 2.33	30,213.11	BALE	B 350.00	10,575,000
COTTON (Seed)	1990	15,442	.82	12,662.44	TON	128.00	1,621,000
	1989	12,967	.93	12,059.31	TON	125.00	1,507,000
INDUSTRIAL CROPS	1990						11,011,000
	1989						2,074,000
PASTURE CROPS							
Alfalfa	1990	115,920	#		ACRE	46.20	5,356,000
	1989	102,203	#		ACRE	46.20	4,722,000
Ryegrass	1990	8,876	C		ACRE	175.00	1,553,000
	1989	8,205	C		ACRE	175.00	1,436,000
Sugar Beet Tops..	1990	31,895	#		ACRE	28.00	893,000
	1989	17,467	#		ACRE	28.00	489,000
Misc. Pasture	1990	21,865	#		ACRE	30.80	673,000
	1989	26,741	#		ACRE	30.80	824,000
TOTAL PASTURE	1990	178,556			ACRE	47.46	8,475,000
	1989	154,616			ACRE	48.32	7,471,000
BALED STRAW	1990			50,787.90	TON	34.29	1,742,000
(Wheat, Bermuda, Alfalfa)	1989			80,871.80	TON	35.00	2,831,000
SUDANGRASS HAY	1990	42,087	8.00	336,696.00	TON	101.83	34,286,000
	1989	49,167	4.00	196,668.00	TON	85.00	16,717,000
SUGAR BEETS	1990	35,439	28.60	1,013,555.40	TON	44.28	44,882,000
	1989	26,873	26.40	709,447.20	TON	41.96	29,768,000
WHEAT	1990	58,728	2.85	167,374.80	TON	122.00	20,420,000
	1989	99,834	2.70	269,551.80	TON	126.00	33,964,000
MISC. FIELD CROPS	1990	17,825			TON	93.57	5,080,000
	1989	5,865			TON	149.73	878,000
TOTALS 1990	ACRES	371,598				VALUE	346,497,000
TOTALS 1989	ACRES	373,250				VALUE	272,114,000

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 crops.

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
ASPARAGUS							
Harvested.....	1990	4,516	143	646,740	30 LB CTN	39.23	25,372,000
New Seeding.....	1990	209					
Harvested.....	1989	4,347	128	559,328	30 LB CTN	38.47	21,517,000
BROCCOLI (Market).....							
	1990	10,484	445	4,666,288	26 LB CTN	4.93	23,033,000
	1989	11,928	381	4,551,009	26 LB CTN	5.30	24,134,000
CABBAGE (Market).....							
	1990	862	712	614,391	50 LB CTN	8.03	4,936,000
	1989	895	619	554,184	50 LB CTN	3.69	2,046,000
CARROTS							
Market.....	1990	12,682	705	8,950,944	50 LB BAG	6.14	55,000,000
Processing & Feed....	1990		2	25,868	TON	6.34	164,000
TOTAL CARROTS.....	1990	12,682					55,164,000
	*1989	12,661	707	8,954,602	50 LB BAG	6.41	57,399,000
CAULIFLOWER (Market).....							
	1990	8,683	456	3,962,615	23 LB CTN	5.43	21,517,000
	1989	8,761	375	3,291,070	23 LB CTN	7.21	23,715,000
HEAD LETTUCE							
Naked Pack.....	1990	27,327	380	10,391,193	50 LB CTN	** 3.65	37,928,000
	1989	25,795	367	9,471,924	50 LB CTN	7.90	74,828,000
Wrap Pack.....	1990	11,711	380	4,453,369	40 LB CTN	** 3.27	14,607,000
	1989	11,055	367	4,062,712	40 LB CTN	7.09	28,790,000
Trim & Cored.....	1990			229,120	35 LB CTN	2.77	635,000
	1989			276,251	35 LB CTN	6.00	1,658,000
Salad Products.....	1990			2,991,342	20 LB BAG	2.87	8,599,000
	1989			3,273,303	20 LB BAG	6.40	20,949,000
TOTAL HEAD LETTUCE.	1990	39,038					61,769,000
	1989	36,850					126,225,000
LEAF LETTUCE.....							
	1990	4,241	607	2,576,353	35 LB CTN	5.65	14,557,000
	1989	3,073	510	1,569,873	35 LB CTN	7.99	12,544,000
ONIONS							
Market.....	1990	3,565	917	3,271,652	50 LB SACK	6.72	21,985,000
	1989	3,305	617	2,041,168	50 LB SACK	4.65	9,489,000
Processor.....	1990	6,560	19	125,361	TON	73.97	9,273,000
	1989	4,514	15	68,613	TON	70.25	4,820,000
TOTAL ONIONS.....	1990	10,125					31,258,000
	1989	7,819					14,309,000

** - Container price based on average price per pound.



VEGETABLE AND MELON CROPS (Continued)

CROP	YEAR	ACRES	YIELD PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
TOMATOES							
Market.....	1990	1,196	1,067	1,276,884	25 LB CTN	5.00	6,384,000
	1989	648	1,210	784,339	25 LB CTN	5.71	4,479,000
Processor.....	1990	10,400	32	334,900	TON	55.20	18,486,000
	1989	11,200	32	356,944	TON	52.10	18,597,000
TOTAL TOMATOES	1990	11,596					24,870,000
	1989	11,848					23,076,000
MISC. VEGETABLES	1990			46,197	TON	434.08	20,053,000
	*1989			27,964	TON	371.05	10,376,000
CANTALOUPE							
Spring.....	1990	24,821	198	4,921,499	40 LB CTN	9.28	45,696,000
	1989	21,303	507	10,811,273	40 LB CTN	4.33	46,808,000
Fall.....	1990	10,331	227	2,349,879	40 LB CTN	6.99	16,444,000
	1989	9,559	331	3,164,029	40 LB CTN	7.04	22,258,000
TOTAL CANTALOUPE	1990	35,152	206	7,271,378	40 LB CTN	8.54	62,140,000
	1989	30,862	452	13,975,302	40 LB CTN	4.94	69,066,000
HONEYDEW MELONS							
Spring.....	1990	975	181	176,999	30 LB CTN	7.08	1,253,000
	1989	573	836	479,028	30 LB CTN	2.85	1,365,000
Fall.....	1990	2,010	345	693,865	30 LB CTN	8.22	5,704,000
	1989	2,150	720	1,549,440	30 LB CTN	4.42	6,852,000
TOTAL HONEYDEWS ...	1990	2,985	291	870,864	30 LB CTN	7.99	6,957,000
	1989	2,723	745	2,028,468	30 LB CTN	4.05	8,217,000
MISC. MELONS							
Spring.....	1990	377	321	121,262	30 LB CTN	3.55	431,000
	1989	199	950	189,183	30 LB CTN	3.44	651,000
Fall.....	1990	443	70	31,155	30 LB CTN	1.18	37,000
	1989	660	512	337,920	30 LB CTN	5.00	1,689,000
TOTAL MISC. MELONS	1990	820	185	152,417	30 LB CTN	3.07	468,000
	1989	859	613	527,103	30 LB CTN	4.44	2,340,000
WATERMELONS	1990	3,233	6	18,014	TON	153.99	2,774,000
	1989	4,261	6	27,398	TON	147.77	4,049,000
TOTALS 1990.....	ACRES	144,417				VALUE	354,868,000
* TOTALS 1989.....	ACRES	136,887				VALUE	399,013,000

MISC. VEGETABLES = Artichokes, Beans, Bell Peppers, Celery, Chinese Vegetables, Corn, Cucumbers, Eggplant, Garlic, Parsnips, Potatoes, Rapini, Rutabagas, Spinach, Squash, Turnips

* - 1989 Revised



FRUIT AND NUT CROPS

CROP	YEAR	ACRES	UNITS PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
DATES							
HARVESTED	1990	517	3.36	1,736.70	TON	3,977.66	6,908,000
Non-Bearing	1990	94					
HARVESTED	1989	446	4.15	1,850.90	TON	4,660.00	8,625,000
GRAPEFRUIT							
HARVESTED	1990	315	9.90	3,118.50	TON	475.55	1,483,000
Non-Bearing	1990	285					
HARVESTED	1989	537	6.25	3,356.25	TON	329.74	1,107,000
LEMONS							
HARVESTED	1990	1,491	6.46	9,631.86	TON	658.96	6,347,000
Non-Bearing	1990	21					
HARVESTED	1989	1,656	5.57	9,223.92	TON	658.07	6,070,000
ORANGES (NAVELS & VALENCIA)							
HARVESTED	1990	491	11.42	5,607.22	TON	455.48	2,554,000
Non-Bearing	1990	91					
HARVESTED	1989	632	7.62	4,815.84	TON	552.03	2,658,000
TANGERINES							
HARVESTED	1990	120	12.97	1,556.46	TON	511.42	796,000
Non-Bearing	1990	226					
HARVESTED	1989	205	7.53	1,543.65	TON	753.10	1,163,000
MISC. CITRUS, FRUIT & NUT CROPS							
HARVESTED	1990	593	3.00	1,778.10	TON	1,187.78	2,112,000
Non-Bearing	1990	481					
HARVESTED	*1989	1,007	6.26	6,302.68	TON	800.77	5,047,000
CITRUS BY-PRODUCTS		1990		10,533.76	TON	67.87	715,000
		1989		11,750.71	TON	69.19	813,000
** TOTALS 1990		ACRES	3,527			VALUE	20,915,000
* TOTALS 1989		ACRES	4,483			VALUE	25,483,000

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

** - Acreage is based on the 1990 California Fruit and Nut Acreage Survey.
 * - 1989 Revised



SEED CROPS & NURSERY PRODUCTS

CROP	YEAR	ACRES	UNITS PER ACRE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
ALFALFA SEED	1990	15,795	360.00	5,686,200.00	LBS	1.50	8,529,000
	1989	17,783	475.00	8,446,925.00	LBS	1.35	11,403,000
BERMUDAGRASS SEED	1990	11,954	398.75	4,766,657.00	LBS	1.22	5,815,000
	1989	18,561	575.00	10,672,575.00	LBS	1.30	13,874,000
MISC. FIELD CROP SEED	1990	2,571					982,000
	*1989	5,261					1,981,000
ONION SEED	1990	3,339	451.35	1,507,050.00	LBS	4.60	6,932,000
	1989	2,560	508.33	1,301,324.80	LBS	5.42	7,053,000
MISC. VEGETABLE & FLOWER SEED & NURSERY	1990	871					1,194,000
	1989	3,773					1,117,000
CERTIFIED SEED	1990	6,718					3,416,000
	1989	1,355					1,540,000
TOTALS 1990...ACRES		41,248					VALUE 26,868,000
TOTALS 1989...ACRES		49,293					VALUE 36,968,000

* - 1989 Revised

MISC. FIELD CROP SEED = Beans-Blackeyed, Ryegrass, Sudangrass, Wheat

MISC. VEG. & FLOWER SEED = Asparagus, Broccoli, Cabbage, Carrots, Cauliflower, Celery,

Chinese Cabbage, Chinese Celery, Flowers, Mustard

CERTIFIED SEED = Alfalfa, Asparagus, Beans-Blackeyed, Bermudagrass, Rape, Wheat



APIARY PRODUCTS

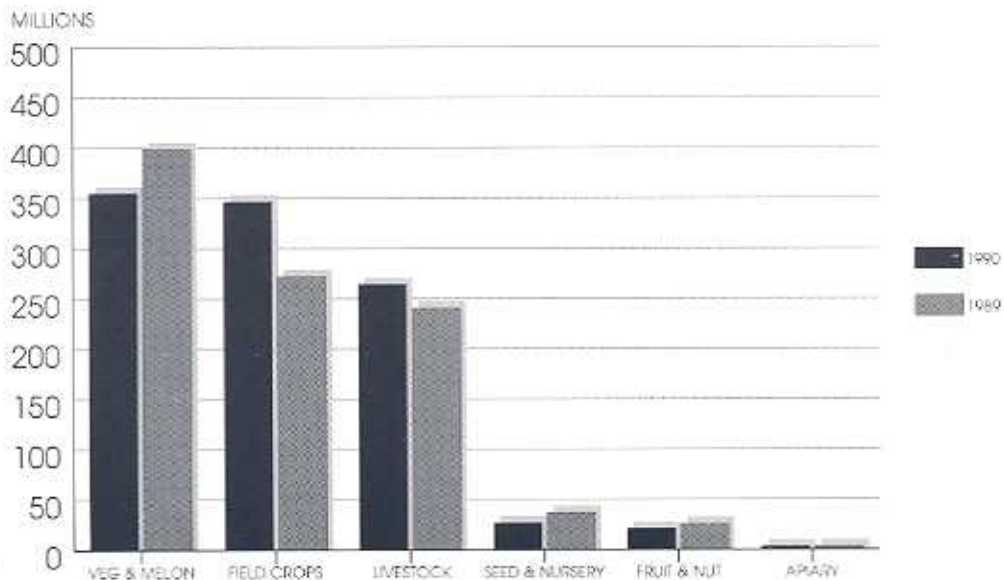
	YEAR	TOTAL HIVES	YIELD PER HIVE	TOTAL UNITS	UNIT	VALUE PER UNIT	GROSS VALUE
HONEY	1990	67,437	30.00	2,023,136.00	LBS	.46	931,000
	1989	63,223	40.00	2,528,920.00	LBS	.54	1,366,000
WAX	1990	67,437	.50	33,718.50	LBS	1.25	42,000
	1989	63,223	.67	42,359.41	LBS	1.15	49,000
POLLINATION	1990	134,874			COL	18.00	2,428,000
	1989	126,446			COL	17.00	2,150,000
						VALUE 1990	3,401,000
						VALUE 1989	3,565,000

SUMMARY

COMMODITY	YEAR	HARVESTED ACREAGE	VALUE
VEGETABLE & MELON CROPS.....	1990	144,417	\$ 354,868,000
	*1989	136,887	399,013,000
FIELD CROPS	1990	371,598	346,497,000
	1989	373,250	272,114,000
LIVESTOCK.....	1990		264,262,000
	*1989		240,298,000
SEED CROPS & NURSERY PRODUCTS	1990	41,248	26,868,000
	1989	49,293	36,968,000
FRUIT AND NUT CROPS.....	1990	3,527	20,915,000
	1989	4,483	25,483,000
APIARY PRODUCTS.....	1990		3,401,000
	1989		3,565,000
TOTAL	1990	560,790	\$1,016,811,000
	*1989	563,913	977,441,000

* - 1989 Revised

GROSS VALUE 1990-1989 COMPARISON (Value = Millions of Dollars)



MILLION DOLLAR PRODUCTS

1990 RANKING

1989 RANKING

1990 RANKING	Product	Value (\$)	1989 RANKING
1	CATTLE	238,165,000	1
2	ALFALFA	207,426,000	2
3	CANTALOUPES	62,140,000	4
4	LETTUCE	61,769,000	3
5	* CARROTS	55,164,000	5
6	SUGAR BEETS	44,882,000	7
7	SUDAN GRASS HAY	34,286,000	12
8	ONIONS	31,258,000	13
9	ASPARAGUS	25,372,000	11
10	TOMATOES	24,870,000	10
11	BROCCOLI	23,033,000	8
12	CAULIFLOWER	21,517,000	9
13	WHEAT	20,420,000	6
14	MISC. VEGETABLES	20,053,000	18
15	LEAF LETTUCE	14,557,000	15
16	COTTON (LINT)	11,554,000	17
17	INDUSTRIAL CROPS	11,011,000	33
18	MISC. LIVESTOCK	8,972,000	32
19	AQUATIC PRODUCTS	8,629,000	25
20	ALFALFA SEED	8,529,000	16
21	TOTAL PASTURE	8,475,000	22
22	* SHEEP	7,334,000	19
23	HONEYDEW MELONS	6,957,000	21
24	ONION SEED	6,932,000	23
25	DATES	6,908,000	20
26	LEMONS	6,347,000	24
27	BERMUDA GRASS SEED	5,815,000	14
28	MISC. FIELD CROPS	5,080,000	**
29	CABBAGE	4,936,000	34
30	CERTIFIED SEED	3,416,000	36
31	WATERMELONS	2,774,000	27
32	ORANGES	2,554,000	29
33	POLLINATION	2,428,000	31
34	* MISC. CITRUS, FRUIT & NUT	2,112,000	26
35	BALED STRAW	1,742,000	28
36	COTTON SEED	1,621,000	37
37	GRAPEFRUIT	1,483,000	41
38	MISC. VEG. & FLOWER SEED & NURSERY	1,194,000	40
39	* WOOL	1,162,000	35

* - 1989 REVISED

** - REPORTED AT LESS THAN ONE MILLION DOLLARS IN 1989

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

