

IMPERIAL COUNTY

A G R I C U L T U R E



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OFFICE OF THE
AGRICULTURAL COMMISSIONER

STEPHEN L. BIRDSALL
COMMISSIONER - DIRECTOR - APCO

DARRELL E. BYRD
CHIEF DEPUTY COMMISSIONER - DIRECTOR
ASSISTANT APCO

150 SOUTH NINTH STREET
EL CENTRO, CALIFORNIA 92243-2801
(619) 339-4314

IMPERIAL COUNTY

OFFICE OF
AGRICULTURAL COMMISSIONER
DIRECTOR OF WEIGHTS AND MEASURES
AIR POLLUTION CONTROL OFFICER

April 20, 1989

TO: Jack C. Parnell, Director
Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Imperial:
 Jeanne Vogel, Chairperson
 James Bucher
 Bill Cole
 Luis Legaspi
 Abe F. Seabolt

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

Gross agricultural income in 1988 was \$976,481,000 dollars which represents a 21 percent increase over 1987 gross agricultural income. Increases were recorded in the production of Apiary Products, Field Crops, Fruit and Nut Crops, Livestock and Dairy and Vegetable Crops.

In the Vegetable Crop category, lettuce gross income posted 141 percent increase over 1987 gross income. Other vegetables also had strong gains which increased 1988 gross income 34 percent over 1987 income.

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

FIELD CROPS 1987-1988

CROP	YEAR	ACRES	YIELD PER ACRE	UNIT	TOTAL UNITS	VALUE PER UNIT	GROSS VALUE
Alfalfa	1988	28,351	9.66	TON	273,870.66	91.88	25,163,000
Cubed & Dehydrated	1987	27,994	9.60	TON	268,742.40	85.12	22,873,000
Alfalfa Hay (Baled)	1988	160,657	8.66	TON	1,391,289.62	83.53	116,214,000
	1987	158,633	8.60	TON	1,364,243.80	77.37	105,552,000
TOTAL ALFALFA	1988	189,008	8.81	TON	1,665,160.28	84.90	141,377,000
ACRES AS OF MAY 31	1987	186,627	8.75	TON	1,632,986.20	78.64	128,425,000
Cotton (Lint)	1988	24,181	2.01A	BALE	48,603.61	325.00 B	15,796,000
	1987	19,313	2.40A	BALE	46,284.65	362.50 B	16,778,000
Cotton (Seed)	1988	24,181	.80	TON	19,441.52	114.45	2,225,000
	1987	19,313	.84	TON	16,222.92	136.60	2,216,000
Industrial Crops							
Jojoba	1988			TON			675,000
Industrial Fuel	1988						250,000
TOTAL INDUSTRIAL CROPS	1988			TON			925,000
Pasture Crops							
Alfalfa	1988	122,855	#	ACRE		50.00 C	6,143,000
	1987	121,308	#	ACRE		50.00 C	6,054,000
Ryegrass	1988	7,369	D	ACRE		225.00 C	1,658,000
	1987	5,727	D	ACRE		200.00 C	1,145,000
Sugar Beet Tops	1988	31,649	#	ACRE		40.00 C	1,266,000
	1987	30,150	#	ACRE		40.00 C	1,206,000
Misc. Pasture	1988	6,429	#	ACRE		44.95 C	289,000
	1987	4,693	#	ACRE		44.96 C	211,000
TOTAL PASTURE	1988	168,302		ACRE		55.59	9,356,000
	1987	161,878		ACRE		53.23	8,616,000
Baled Straw (Wheat, Bermuda, Alfalfa)	1988			TON	99,282.25	64.36	6,390,000
	1987			TON	54,767.00	40.01	2,191,000
Sudangrass Hay	1988	34,509	5.54	TON	191,179.86	90.00	17,206,000
	1987	24,914	6.84	TON	170,467.00	70.00	11,933,000
Sugar Beets	1988	37,669	24.25	TON	912,473.25	38.04	34,712,000
	1987	37,741	26.57	TON	1,002,778.37	36.57	36,672,000
Wheat	1988	55,277	2.88	TON	159,197.76	140.00	22,288,000
	1987	68,249	2.56	TON	174,717.44	109.00	19,044,000
Misc. Field Crops*	1988	1,268		TON		425.87	540,000
	1987	2,567		TON		412.54	1,059,000
TOTALS	1988	349,281					250,815,000
	1987	345,138					226,934,000

* Sorghum Silage, Sorghum Milo, Field Corn, Barley, Safflower, Oat Hay
 A = 500 lb. Sales B = Includes Government Payment C = Included in Total Pasture # = 1 Time D = 5 Times
 Pastured Pastured

SEED AND NURSERY 1987-1988

CROP	YEAR	ACRES	UNITS PER ACRE	UNIT	TOTAL UNITS	VALUE PER UNIT	GROSS VALUE
Alfalfa Seed	1988	19,726	417.00	LBS.	8,225,742.00	1.18	9,706,000
	1987	19,961	456.32	LBS.	9,108,603.52	.90	8,198,000
Bermudagrass Seed							
Harvested	1988	20,160	540.00	LBS.	10,886,400.00	1.25	13,608,000
New Planting	1988	0		LBS.			
	1987	23,476	838.58	LBS.	19,686,504.08	.80	15,749,000
Wheat Seed	1988	1,657	5,760.00	LBS.	9,544,320.00	.080	764,000
	1987	1,983	5,260.00	LBS.	10,430,580.00	.075	782,000
Misc. Field Crop (Seed)	1988	1,666		LBS.			833,000
	1987			LBS.			660,000
Onion Seed	1988	2,252	450.00	LBS.	1,013,400.00	4.44	4,499,000
	1987	2,242	779.93	LBS.	1,748,600.00	4.31	7,528,000
Misc. Vegetable, Flower Seed & Nurseries	1988	1,206		LBS.			2,250,000
	1987			LBS.			1,968,000
Certified Seed	1988	2,925		LBS.			1,941,000
	1987			LBS.			1,640,000
TOTALS	1988	49,592					33,601,000
	1987	47,662					36,525,000

VEGETABLE CROPS 1987-1988

CROP	YEAR	ACRES	YIELD PER ACRE	UNIT	TOTAL UNITS	VALUE PER UNIT	GROSS VALUE
Asparagus							
Harvested	1988	3,935	1.93	TON	7,581.44	2,062.01	15,633,000
New Seeding	1988	412					
Harvested	1987	3,821	1.77	TON	6,775.70	1,893.43	12,829,000
Broccoli (Market)	1988	9,250	5.68	TON	52,547.43	538.47	28,295,000
	1987	7,874	5.55	TON	43,714.88	450.01	19,672,000
Cabbage (Market)	1988	840	13.65	TON	11,462.08	185.22	2,123,000
	1987	708	9.84	TON	6,970.25	126.82	884,000
Cantaloupes							
Spring	1988	20,517	5.27	TON	108,145.28	455.50	49,260,000
	1987	18,935	9.70	TON	183,665.00	287.50	52,804,000
Fall	1988	9,556	6.69	TON	63,940.68	233.50	14,930,000
	1987	9,168	5.68	TON	52,073.46	230.69	12,013,000
TOTAL CANTALOUPE	1988	30,073	5.72	TON	172,085.96	373.01	64,190,000
	1987	28,103	8.39	TON	235,738.46	274.95	64,817,000
Carrots (Market)	1988	12,813	24.28	TON	311,099.64	121.61	37,833,000
	1987	12,038	25.92	TON	312,024.00	180.00	56,164,000
Cauliflower (Market)	1988	7,507	4.27	TON	32,027.27	771.31	24,703,000
	1987	5,640	4.92	TON	27,762.02	542.61	15,064,000
Honeydew Melons							
Spring	1988	572	4.53	TON	2,590.83	320.75	831,000
	1987	367	10.81	TON	3,968.03	700.10	2,778,000
Fall	1988	1,851	10.48	TON	19,393.28	333.31	6,464,000
	1987	3,257	4.25	TON	14,434.89	266.03	5,833,000
TOTAL HONEYDEWS	1988	2,423	9.07	TON	21,984.11	331.83	7,295,000
	1987	3,624	5.08	TON	18,402.92	467.91	8,611,000
Miscellaneous Melons							
Spring	1988	195	4.54	TON	884.66	321.03	284,000
	1987	152	10.58	TON	1,608.30	733.07	1,179,000
Fall	1988	548	7.12	TON	3,904.38	318.62	1,244,000
	1987	798	6.05	TON	4,829.54	371.26	1,793,000
TOTAL MISC. MELONS	1988	743	6.45	TON	4,789.04	319.06	1,528,000
	1987	950	6.78	TON	6,437.84	461.65	2,972,000
Head Lettuce							
Naked Pack	1988	21,801	13.51	TON	294,559.06	452.40	133,259,000
Wrap Pack	1988	9,343	7.88	TON	73,639.77	530.00	39,029,000
Trim & Cored	1988		.18	TON	5,591.91	530.00	2,964,000
Salad Products	1988		1.01	TON	31,518.49	760.00	23,954,000
	1987		.75	TON	22,389.45	244.40	5,472,000
TOTAL LETTUCE	1988	31,144	11.82	TON	368,198.83	541.03	199,206,000
	1987	28,986	11.61	TON	336,503.88	245.06	82,464,000
Leaf Lettuce	1988	2,336	10.29	TON	24,042.50	961.96	23,128,000
	1987	1,772	13.99	TON	24,789.08	267.98	6,643,000
Onions							
Market	1988	3,120	16.98	TON	52,964.80	142.40	7,542,000
	1987	3,291	20.46	TON	67,343.10	420.00	28,284,000
Processor	1988	5,904	22.19	TON	131,009.76	68.00	8,909,000
	1987	5,014	21.52	TON	107,901.28	68.00	7,337,000
TOTAL ONIONS	1988	9,024	20.39	TON	183,974.56	89.42	16,451,000
	1987	8,305	21.10	TON	175,244.38	203.26	35,621,000
Squash Market	1988	467	7.02	TON	3,278.34	391.97	1,285,000
All Varieties	1987	361	6.00	TON	2,166.00	424.75	920,000
Tomatoes							
Market	1988	835	16.15	TON	13,485.25	389.91	5,258,000
	1987	683	15.05	TON	10,279.14	631.96	6,496,000
Processor	1988	4,017	35.80	TON	143,808.60	48.20	6,932,000
	1987	2,510	31.00	TON	77,810.00	46.27	3,600,000
TOTAL TOMATOES	1988	4,852	32.42	TON	157,293.85	77.50	12,190,000
	1987	3,193	27.59	TON	88,089.14	114.61	10,096,000
Watermelons	1988	4,275	8.40	TON	35,902.21	188.01	6,750,000
	1987	4,456	13.35	TON	59,488.20	170.00	10,113,000
Miscellaneous Vegetables	1988			TON	39,536.64	339.33	13,416,000
	1987			TON	37,217.51	295.10	10,983,000
TOTALS	1988	119,682					454,026,000
	1987	109,831					337,853,000

Miscellaneous Vegetables = Beans, Bell Peppers, Celery, Chinese Vegetables, Cucumbers, Egg Plant, Parsley, Parsnips, Rutabagas, Turnips, Artichoke, Rappini, Corn.

FRUIT AND NUT CROPS 1987-1988

CROP	YEAR	ACRES	YIELD PER ACRE	UNIT	TOTAL UNITS	VALUE PER UNIT	GROSS VALUE
Dates							
Harvested	1988	446	3.91	TON	1,743.86	4,039.89	7,046,000
New Plantings	1988	110					
Harvested	1987	446	3.23	TON	1,440.58	3,543.71	5,105,000
Grapefruit							
Harvested	1988	537	16.00	TON	8,592.00	319.37	2,744,000
New Plantings	1988	273					
Harvested	1987	537	9.65	TON	5,184.42	355.87	1,845,000
Lemons							
Harvested	1988	1,656	5.76	TON	9,538.00	589.54	5,623,000
New Plantings	1988	160					
Harvested	1987	1,656	4.62	TON	7,650.72	451.59	3,455,000
Oranges (Navels & Valencia)							
Harvested	1988	632	6.05	TON	3,822.34	480.07	1,835,000
New Plantings	1988	77					
Harvested	1987	632	7.56	TON	4,778.63	389.02	1,859,000
Tangerines							
Harvested	1988	205	8.70	TON	1,763.50	561.62	1,180,000
New Plantings	1988	240					
Harvested	1987	205	7.25	TON	1,486.25	560.47	833,000
Mixed Citrus (Limes, Temples, Tangelos)							
Harvested	1988	304	9.96	TON	3,026.75	567.89	1,720,000
New Plantings	1988	96					
Harvested	1987	304	11.07	TON	3,364.38	391.75	1,318,000
Fruit & Nut Crops (Pecans, Grapes, Peaches, Mangos, Nectarines)							
Harvested	1988	591	8.65	TON	5,113.38	1,386.75	7,091,000
New Plantings	1988	545					
**Harvested	1987	3,594	1.59	TON	5,725.00	1,187.77	6,800,000
Citrus By-Products							
	1988			TON	16,650.07	73.27	1,220,000
	1987			TON	17,724.86	44.29	785,000
TOTALS	1988	3,834					28,458,000
	**1987	7,374					22,000,000
New Seeding	1988	1,228					

**1987 included Jojoba (now in field crops)

LIVESTOCK 1987-1988

	YEAR	TOTAL HEAD	UNIT GAIN	UNIT	TOTAL GAIN	VALUE PER UNIT	GROSS VALUE
Cattle	1988	455,343	5.98	CWT	2,722,951.14	70.11	190,906,000
	1987	410,550	6.21	CWT	2,549,515.50	65.76	167,656,000
Sheep (Feeders)	1988	104,000	.70	CWT	72,800.00	82.01	5,970,000
	1987	105,000	.66	CWT	69,300.00	74.68	5,175,000
Wool	1988			LBS.	249,750.00	A 1.50	375,000
	1987			LBS.	481,000.00	A 1.50	722,000
Aquatic Products (Fish & Algae)	1988			LBS.			5,738,000
	1987			LBS.			3,059,000
Misc. Livestock (Dairy & Swine)	1988						1,072,000
	1987						1,113,000
TOTAL	1988						204,061,000
	1987						177,725,000

A = Includes Estimated Government Payments

APIARY PRODUCTS 1987-1988

	YEAR	TOTAL HIVES	YIELD PER HIVE	UNIT	TOTAL UNITS	VALUE PER UNIT	GROSS VALUE
Honey	1988	115,071	40.10	LBS.	4,614,347.10	.57	2,630,000
	1987	92,002	48.89	LBS.	4,497,977.78	.55	2,474,000
Wax	1988	115,071	.53	LBS.	60,987.63	1.48	90,000
	1987	92,002	.66	LBS.	60,721.32	1.43	87,000
Pollination	1988	153,428		COL		18.25	2,800,000
	1987	122,669		COL		18.07	2,217,000
TOTAL	1988						5,520,000
	1987						4,778,000

STANDARD UNITS USED IN VEGETABLE CROP PRODUCTION 1987-1988

CROP	YEAR	ACRES	UNITS	YIELD/ACRE	TOTAL PRODUCTION
Asparagus	1988	3,935	30 LB. CRATE	128.44	505,429
	1987	3,821	30 LB. CRATE	118.22	451,713
Broccoli	1988	9,250	26 LB. CARTON	436.98	4,042,110
	1987	7,874	26 LB. CARTON	427.06	3,362,683
Cabbage	1988	840	50 LB. CARTON	545.81	458,483
	1987	708	50 LB. CARTON	393.80	278,811
Cantaloupes (Spring)	1988	20,517	40 LB. CARTON	263.55	5,407,264
	1987	18,935	40 LB. CARTON	484.99	9,183,250
Cantaloupes (Fall)	1988	9,556	40 LB. CARTON	334.56	3,197,034
	1987	9,168	40 LB. CARTON	263.99	2,603,673
Cauliflower	1988	7,507	23 LB. CARTON	370.98	2,784,980
	1987	5,640	23 LB. CARTON	428.03	2,414,089
Honeydews (Spring)	1988	572	30 LB. CARTON	301.96	172,722
	1987	367	30 LB. CARTON	720.80	264,535
Honeydews (Fall)	1988	1,851	30 LB. CARTON	698.48	1,292,885
	1987	3,257	30 LB. CARTON	448.79	1,461,720
Melons, Misc. (Spring)	1988	195	30 LB. CARTON	302.45	58,977
	1987	152	30 LB. CARTON	705.39	107,220
Melons, Misc. (Fall)	1988	548	30 LB. CARTON	474.99	260,292
	1987	798	30 LB. CARTON	403.47	321,969
Lettuce (Head)	1988	31,144	50 LB. CARTON	472.90	14,727,953
	1987	28,986	50 LB. CARTON	464.37	13,460,155
Lettuce (Mixed)	1988	2,336	35 LB. CARTON	588.12	1,373,857
	1987	1,772	35 LB. CARTON	799.39	1,416,519
Onions (Market)	1988	3,120	50 LB. BAGS	679.04	2,118,592
	1987	3,291	50 LB. BAGS	818.51	2,693,724
Tomatoes (Market)	1988	835	25 LB. CARTON	1,292.00	1,078,820
	1987	683	25 LB. CARTON	1,204.00	822,331

RECAPITULATION 1988

	1986	1987	1988
Apiary Products	\$ 5,242,000	\$ 4,778,000	\$ 5,520,000
Field Crops	209,365,000	226,934,000	250,815,000
Fruit & Nut Crops	22,435,000	22,000,000	28,458,000
Livestock & Dairy	*133,378,000	177,725,000	204,061,000
Seed & Nursery	48,417,000	36,525,000	33,601,000
Vegetable Crops	269,908,000	337,853,000	454,026,000
TOTAL	*688,745,000	805,815,000	976,481,000

* = Adjusted Gross Income

MILLION DOLLAR CROPS FOR 1988

Lettuce	\$ 199,206,000	Dates	\$ 7,045,000
Cattle	190,906,000	Watermelons	6,750,000
Alfalfa	141,377,000	Baled Straw	6,390,000
Cantaloupes	64,190,000	Sheep	5,970,000
Carrots	37,833,000	Aquatic Products	5,738,000
Sugar Beets	34,712,000	Lemons	5,623,000
Broccoli	28,295,000	Onion (Seed)	4,499,000
Cauliflower	24,703,000	Pollination	2,800,000
Leaf Lettuce	23,128,000	Grapefruit	2,744,000
Wheat	22,288,000	Honey	2,630,000
Sudangrass Hay	17,206,000	Veg. & Flower Seed	2,250,000
Onions	16,451,000	Cotton (Seed)	2,225,000
Cotton (Lint)	15,796,000	Cabbage	2,123,000
Asparagus	15,633,000	Certified Seed	1,941,000
Bermudagrass Seed	13,608,000	Oranges	1,835,000
Mixed Vegetables	13,416,000	Mixed Citrus	1,720,000
Tomatoes	12,190,000	Misc. Melons	1,528,000
Alfalfa Seed	9,706,000	Squash	1,285,000
Total Pasture	9,356,000	Citrus By-Products	1,220,000
Honeydews	7,295,000	Tangerines	1,180,000
Fruit & Nut Crops	7,091,000	Misc. Livestock	1,072,000