

AGRICULTURAL CROP REPORT

1987



Solano County Department of Agriculture

Mr. Jack C. Parnell, Director
California Department of Food and Agriculture

The Honorable Board of Supervisors of the County of Solano

and

Mr. George Gaekle, Interim County Administrator

In accordance with Section 2279 of the California Food and Agricultural Code, I hereby submit the annual crop report of agricultural production for the year 1987. This report addresses the acreage, production, and gross value of agricultural production in Solano County and does not attempt to reflect net farm income nor costs of production and marketing. This report also emphasizes an average production and average value of gross receipts.

The gross value of all agricultural products for 1987 was \$147,616,500 up \$13,663,100 from 1986. This rise in gross value is due to increased yields in all categories although prices per unit paid in most categories were equal to or less than what prices were paid in 1986.

Again, tomatoes were the leading agricultural crop in 1987 in gross value at \$24,499,200, a decrease of \$3,929,900. Acreage decreased from 19,500 in 1986 to 16,000 in 1987.

Sugar beets were the second leading agricultural crop in terms of gross value with \$17,661,800.

Field corn, the third leading agricultural crop had a gross value of \$14,168,800.

Field crops, in general, were up \$8,110,900. This increase is due primarily to increased yields per acre, although price per unit paid for most commodities remained at or below 1986 values.

Fruit and nut crops were up \$4,223,800 from 1986 due primarily to excellent yields although price per unit remained largely at or below 1986 values.

Seed crops were up \$924,600 due to increased acreage plantings of bean, cantaloupe, and cucumber seed fields.

Vegetable crops were down \$1,727,300 due largely to reduced acreage of tomatoes although tomatoes still remained the leading crop for 1987.

The gross value of animal production was up \$2,131,100.

I again emphasize that this report represents only gross value of agricultural products and does not reflect any net return to the producer. Also, I emphasize the issue of an average production and average value considering the diversity in production areas.

I wish to express my sincere appreciation to those who have provided the information, records, and assistance necessary for my staff to compile this crop report and to the growers of Solano County who make agriculture our most valued industry.

Respectfully,



John M. Donahue
Agricultural Commissioner

JMD:lpd

TABLE OF CONTENTS

Solano County Fruit and Nut Acreage Statistics	1
Field Crops: Acreage, Production and Value	2,3
Fruit and Nut Crops: Acreage, Production and Value	4,5
Seed Crops: Acreage, Production and Value	6
Vegetable Crops: Acreage, Production and Value	7
Livestock and Poultry: Production and Value	8
Livestock, Poultry and Apiary Products and Value	9
Grand Total of All Agricultural Products	9
Summary	10
Million Dollar Crops	11

SOLANO COUNTY FRUIT AND NUT ACREAGE STATISTICS

1987

<u>Orchard Crop</u>	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	2,325	0	2,325
Apples	118	0	118
Apricots	1,063	20	1,083
Cherries	119	0	119
Figs	12	0	12
Grapes(Wine)	1,138	60	1,198
Guava(Feijoa)	12	0	12
Kiwi	98	0	98
Olives	12	0	12
Oranges	26	0	26
Peaches (Freestone)	368	4	372
Pears	2,037	17	2,054
Pecans	2	0	2
Persimmons	4	0	4
Pistachio Nuts	24	0	24
Plums	19	0	19
Prunes	2,239	62	2,301
Tangerines	1	4	5
Walnuts (English)	2,583	1176	3,759
Walnuts (Black)	30	0	30

FIELD CROPS: ACREAGE, PRODUCTION AND VALUE

Crop	Year	Average Production			Average Value		
		Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total
Barley, (Irrigated)	1987	6,800	2.30	15,640	Ton	89.00	1,392,000
	1986	4,800	2.25	10,800	Ton	90.00	972,000
Barley, (Other)	1987	3,181	1.17	3,722	Ton	89.00	331,300
	1986	5,575	1.25	6,969	Ton	90.00	627,200
Beans, Dry, All Market Classes*	1987	7,500	1.00	7,500	Ton	375.00	2,812,500
	1986	6,300	1.10	6,930	Ton	425.00	2,945,300
Field Corn	1987	37,000	4.67	172,790	Ton	82.00	14,168,800
	1986	43,551	4.50	195,980	Ton	70.00	13,718,600
Hay (Alfalfa)	1987	11,500	6.85	78,775	Ton	73.00	5,750,600
	1986	11,400	6.00	68,400	Ton	75.00	5,130,000
Hay (Grain)	1987	5,800	2.50	14,500	Ton	55.00	797,500
	1986	6,000	2.50	15,000	Ton	45.00	675,000
Hay (Grass)	1987	3,800	2.00	7,600	Ton	35.00	266,000
	1986	4,000	2.10	8,400	Ton	35.00	294,000
Nursery Stock	1987	704	---	---	---	---	11,063,100
	1986	1,123	---	---	---	---	10,402,600
Oats (Grain)	1987	2,200	1.10	2,420	Ton	110.00	266,200
	1986	1,500	1.20	1,800	Ton	90.00	162,000
Pasture, (Irrigated)	1987	20,500	---	---	Acre	70.00	1,435,000
	1986	20,000	---	---	Acre	90.00	1,800,000
Pasture, (Other)	1987	145,300	---	---	Acre	10.00	1,453,000
	1986	145,600	---	---	Acre	10.00	1,456,000
Safflower, Oil	1987	1,359	1.37	1,862	Ton	200.00	372,400
	1986	2,162	1.30	2,811	Ton	220.00	618,400
Sorghum (Milo)	1987	800	2.50	2,000	Ton	85.00	170,000
	1986	1,100	2.75	3,025	Ton	82.00	248,100
Sugar Beet	1987	19,211	26.08	501,044	Ton	35.25	17,661,800
	1986	15,884	24.30	385,981	Ton	33.75	13,026,900

* Value And Yield May Vary By Variety

FIELD CROPS: ACREAGE, PRODUCTION AND VALUE (Con't)

<u>Crop</u>	<u>Average Production</u>				<u>Average Value</u>		
	<u>Year</u>	<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Wheat, (Irrigated)	1987	50,000	2.35	117,500	Ton	90.00	10,575,000
	1986	52,500	2.00	105,000	Ton	80.00	8,400,000
Wheat, (Other)	1987	8,221	1.00	8,221	Ton	90.00	739,900
	1986	5,431	1.25	6,789	Ton	80.00	543,100
Miscellaneous	1987	(Silage, Straw, Sunflower, Oil)				---	595,000
	1986	(Silage, Straw, Sunflower, Oil)				---	720,000
TOTAL	1987	323,876					\$ 69,850,100
FIELD CROPS	1986	326,926					\$ 61,739,200

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION AND VALUE

Crop	Year	Average Production		Average Value			
		Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total
Almonds							
Almond (Meats)	1987	---	---	847.0	Ton	2,100.00	1,778,700
	1986	---	---	367.0	Ton	4,000.00	1,468,000
Almond Hulls	1987	---	---	1,059.0	Ton	20.00	21,200
	1986	---	---	459.0	Ton	12.00	5,500
Total Almonds	1987	2,325	.364	847.0	Ton	---	1,799,900
	1986	2,444	.150	367.0	Ton	---	1,473,500
Apricots							
Dried * (6.0:1)	1987	---	---	284.8	Ton	1,860.00	529,700
	1986	---	---	115.7	Ton	1,425.00	164,900
Fresh Market	1987	---	---	450.0	Ton	920.00	414,000
	1986	---	---	125.0	Ton	1,583.00	197,900
Juice	1987	---	---	100.0	Ton	250.00	25,000
	1986	---	---	---	---	---	---
Total Apricots	1987	1,063	2.125	2,258.8	Ton	---	968,700
	1986	1,085	.720	784.5	Ton	---	362,800
Cherries							
Fresh Market	1987	119	1.689	201.1	Ton	2,000.00	402,200
	1986	119	1.100	131.0	Ton	2,500.00	327,500
Grapes, Wine **							
Dark Variety	1987	---	---	2,133.0	Ton	349.00	744,400
	1986	---	---	1,967.0	Ton	290.00	570,400
White Variety	1987	---	---	1,471.0	Ton	330.00	485,400
	1986	---	---	2,806.0	Ton	220.00	617,300
Total Grapes	1987	1,138	3.167	3,604.0	Ton	---	1,229,800
	1986	1,061	4.500	4,773.0	Ton	---	1,187,700
Kiwi ***	1987	98	4.100	401.8	Ton	1,800.00	723,200
	1986	80	3.500	280.0	Ton	1,900.00	532,000
Peaches (Freestone)							
Dried * (8.2:1)	1987	---	---	215.0	Ton	1,041.00	223,800
	1986	---	---	173.5	Ton	1,084.00	188,100

* Drying Ratio
 ** Price Varies by Variety
 *** Yields Vary by Grower and Age of Vines

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION AND VALUE

<u>Crop</u>	<u>Year</u>	<u>Average Production</u>		<u>Average Value</u>			
		<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Peaches (Cont'd)							
Total Peaches	1987	368	4.791	1,763.0	Ton	---	223,800
	1986	363	4.250	1,544.0	Ton	---	188,100
Pears							
Canned #1	1987	---	---	17,141.0	Ton	175.00	2,999,700
	1986	---	---	14,229.0	Ton	165.00	2,347,800
Dried * (6.5:1)	1987	---	---	6.6	Ton	520.00	3,400
	1986	---	---	181.0	Ton	595.00	107,700
Fermentation & Juice Concentrate	1987	---	---	3,573.0	Ton	85.00	303,700
	1986	---	---	3,085.0	Ton	85.00	262,200
Fresh Market	1987	---	---	7.0	Ton	105.00	700
	1986	---	---	1,895.0	Ton	330.00	625,400
Total Pears	1987	2,037	10.193	20,764.0	Ton	---	3,307,500
	1986	2,144	9.550	20,476.0	Ton	---	3,343,100
Plums	1987	19	4.200	79.8	Ton	714.00	57,000
	1986	19	3.500	66.5	Ton	1,297.00	86,300
Prunes **	1987	2,239	2.799	6,269.0	Ton	700.00	4,388,300
	1986	2,302	1.560	3,591.0	Ton	670.00	2,406,000
Walnuts	1987	2,583	1.277	3,299.0	Ton	1,040.00	3,431,000
	1986	2,520	.940	2,364.0	Ton	1,160.00	2,742,200
Miscellaneous	1987	241	(Apples, Figs, Guava, Olives,				514,300
	1986	237	Oranges, Pecans, Persimmons, Pistachios, Black Walnuts)				172,700
TOTAL FRUIT & NUT CROPS	1987	12,230					\$17,045,700
	1986	12,374					\$12,821,900

* Drying Ratio

** Dry Yield

SEED CROPS: ACREAGE, PRODUCTION AND VALUE

Crop	Year	Average Production			Average Value		
		Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total
Alfalfa, Certified	1987	---	(See Miscellaneous Below)---			---	---
	1986	45	180,000	8,100	Lb.	1.00	8,100
Beans, Dry, All Market Classes *	1987	3430	.75	2,573	Ton	520.00	1,338,000
	1986	---	---	---	---	---	---
Beans, Dry, All Market Classes,* Certified	1987	1533	.85	1303	Ton	510.00	644,500
	1986	918	.88	808	Ton	550.00	444,400
Cantaloupe	1987	239	400.00	95,600	Lb.	2.00	191,200
	1986	28	360.00	10,080	Lb.	2.00	20,200
Cucumber	1987	235	340.00	79,900	Lb.	3.45	275,700
	1986	143	310.00	44,330	Lb.	2.70	119,700
Safflower	1987	---	---	---	---	---	---
	1986	645	.70	452	Ton	200.00	90,400
Squash	1987	130	380.00	49,400	Lb.	3.10	153,100
	1986	---	---	---	---	---	---
Sunflower	1987	480	.90	432	Ton	900.00	388,800
	1986	---	---	---	---	---	---
Sunflower, Certified	1987	1,055	.90	950	Ton	900.00	855,000
	1986	2,683	.75	2,012	Ton	875.00	1,760,500
Watermelon	1987	409	310.00	126,790	Lb.	2.00	253,600
	1986	608	357.00	217,056	Lb.	2.00	434,100
Watermelon, Certified	1987	---	---	---	---	---	---
	1986	37	340.00	12,580	Lb.	2.00	25,200
Wheat	1987	---	---	---	---	---	---
	1986	774	2.88	2,229	Ton	89.00	198,400
Wheat, Certified	1987	1,370	2.82	3,863	Ton	100.00	386,300
	1986	1,145	2.88	3,298	Ton	95.00	313,300
Miscellaneous	1987	267	(Alfalfa, Carrot, Clover, Peas,				339,000
	1986	277	Tomato, Etc.)				486,300
TOTAL	1987	9,148					\$4,825,200
SEED CROP	1986	7,303					\$3,900,600

* Value and Yield Vary By Variety

VEGETABLE CROPS: ACREAGE, PRODUCTION AND VALUE

<u>Crop</u>	<u>Year</u>	<u>Average Production</u>			<u>Average Value</u>		
		<u>Bearing Acreage</u>	<u>Per Acre</u>	<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Asparagus	1987			(See Miscellaneous Below)			
	1986	513	.57	292	Ton	1,508.00	440,300
Tomatoes (Processing)	1987	16,000	33.00	528,000	Ton	46.40	24,499,200
	1986	15,600	30.50	475,800	Ton	51.00	24,265,800
Tomatoes (Processing Overage)	1987	---	---	---	---	---	---
	1986	3,900	30.50	118,950	Ton	35.00	4,163,300
Total Tomatoes (Processing)	1987	16,000	33.00	528,000	Ton	46.40	24,499,200
	1986	19,500	30.50	594,750	Ton	---	28,429,100
Miscellaneous	1987	1,963		(Asparagus, Beans, Carrots,			5,350,900
	1986	1,600		Cucumbers, Endive, Melons, Onions, Mixed & Bell Peppers, Popcorn, Pumpkins, Squash, Sweet Corn, Tomatoes, & Misc. Vegetables)			2,708,000
TOTAL VEGETABLE CROPS	1987	17,963					\$29,850,100
	1986	21,613					\$31,577,400

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE

<u>Item</u>	<u>Year</u>	<u>Average Production</u>		<u>Average Value</u>		
		<u>Head</u>	<u>Liveweight</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Cattle & Calves	1987	40,000	200,000	Cwt.	56.30	11,260,000
	1986	35,000	175,000	Cwt.	52.00	9,100,000
Chicken, Other	1987	---	(See Miscellaneous Below)	---	---	---
	1986	45,900	---	Head	.43	19,700
Hogs & Pigs	1987	100	200	Cwt.	58.00	11,600
	1986	100	200	Cwt.	52.20	10,400
Sheep (Ewe)	1987	20,185	24,222	Cwt.	25.10	608,000
	1986	24,045	32,461	Cwt.	23.20	753,100
Sheep (Lamb)	1987	156,008	140,407	Cwt.	74.90	10,516,500
	1986	155,175	155,175	Cwt.	68.60	10,645,000
Miscellaneous	1987	(Chickens, Ducks, Pheasants, Rabbits,				94,300
	1986	Quail, Turkeys, Fish, Etc.)				34,000
TOTAL LIVESTOCK & POULTRY	1987					\$ 22,490,400
	1986					\$ 20,562,200

LIVESTOCK, POULTRY, AND APIARY PRODUCTS AND VALUE

<u>Item</u>	<u>Average Production</u>			<u>Average Value</u>	
	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Bees - Honey	1987	10,488	Lb.	.65	6,800
	1986	49,699	Lb.	.57	28,300
- Packages *	1987	2,195	Pkg.	15.00	32,900
	1986	3,085	Pkg.	15.00	46,300
- Pollination **	1987	5,885	Colony	19.00	111,800
	1986	6,136	Colony	18.70	114,700
- Queens ***	1987	23,000	Each	7.25	166,800
	1986	18,134	Each	8.00	145,100
- Wax	1987	165	Lb.	.90	100
	1986	382	Lb.	1.00	400
Milk - Market	1987	205,357	Cwt.	11.41	2,343,100
	**** 1986	196,964	Cwt.	11.72	2,308,400
Wool	1987	456,709	Lb.	.88	401,900
	1986	430,441	Lb.	.68	292,700
Miscellaneous	1987	(Fertile Chicken Eggs, Chicken Eggs, Game Bird Eggs)			491,500
	1986	(Fertile Chicken Eggs, Chicken Eggs, Game Bird Eggs)			416,200
TOTAL LIVESTOCK, POULTRY, AND APIARY PRODUCTS & VALUE	1987	. . . . .			\$ 3,555,000
	1986	. . . . .			\$ 3,352,100 ****

GRAND TOTAL OF ALL AGRICULTURAL PRODUCTS	1987	. . . . .			\$147,616,500
	1986	. . . . .			\$133,953,400

* Packages Include 2 Lbs. Bees Plus Queen
 ** Pollination Fee Varies By Crop, Crops Pollinated Include Alfalfa, Almond, Kiwi, Onion, Sunflower, Vine Seed
 *** Average Price Weighted Including Breeder Queens
 **** 1986 Revised Figures

S U M M A R Y

<u>Year</u>	<u>Field Crops</u>	<u>Fruit & Nut Crops</u>	<u>Seed Crops</u>	<u>Vegetable Crops</u>	<u>Animal Production</u>	<u>Totals</u>
1977	43,710,700	11,676,100	1,639,400	32,552,300	10,616,900	100,195,400
1978	45,593,000	14,212,200	2,689,900	22,910,800	12,898,100	98,304,000
1979	66,117,700	16,865,700	4,993,100	30,092,400	16,123,200	134,192,100
1980	86,755,900	15,781,400	6,527,200	25,532,900	18,398,100	152,995,500
1981	86,094,700	17,875,900	3,685,000	24,753,300	18,688,800	151,097,700
1982	76,060,100	14,973,000	2,713,500	24,282,000	19,808,100	137,836,700
1983	78,209,800	11,727,900	3,000,000	25,070,700	18,452,200	136,460,600
1984	77,553,100	13,307,400	3,617,700	26,640,200	19,511,500	140,629,900
1985	79,092,200	13,483,100	5,629,100	32,608,600	22,365,300	153,178,300
1986	61,739,200	12,821,900	3,900,600	31,577,400	23,914,300	133,953,400
1987	69,850,100	17,045,700	4,825,200	29,850,100	26,045,400	147,616,500

CLASSIFICATION OF ACREAGE

Field Crops	158,076
Fruit & Nuts Crops	12,230
Pasture Lands	165,800
Seed Crops	9,148
Vegetable Crops	17,963

TOTAL AREA

Square Miles - 827

Estimated Total County Population - 291,264

JANUARY 1, 1988 INVENTORY OF LIVESTOCK AND POULTRY

<u>Item</u>	<u>No. of Head</u>
Cattle and Calves	
All	58,000
Milk Cows	1,000
Hens and Pullets (of laying age)	23,000
Hogs and Pigs	100
Horses and Mules	4,200
Stock Sheep	86,000

MILLION DOLLAR CROPS

1.	TOMATOES	. . . . .	\$24,499,200
2.	SUGAR BEETS	. . . . .	17,661,800
3.	FIELD CORN	. . . . .	14,168,800
4.	CATTLE & CALVES	. . . . .	11,260,000
5.	NURSERY STOCK	. . . . .	11,063,100
6.	WHEAT, IRRIGATED.	. . . . .	10,575,000
7.	SHEEP (LAMB)	. . . . .	10,516,500
8.	ALFALFA HAY	. . . . .	5,750,600
9.	PRUNES	. . . . .	4,388,300
10.	WALNUTS	. . . . .	3,431,000
11.	PEARS	. . . . .	3,307,500
12.	BEANS, DRY, ALL MARKET CLASSES	. . . . .	2,812,500
13.	MILK	. . . . .	2,343,100
14.	ALMONDS	. . . . .	1,799,900
15.	PASTURE, OTHER	. . . . .	1,453,000
16.	PASTURE, IRRIGATED.	. . . . .	1,435,000
17.	BARLEY, IRRIGATED	. . . . .	1,392,000
18.	BEANS, DRY, ALL MARKET CLASSES, SEED	. . . . .	1,338,000
19.	GRAPES	. . . . .	1,229,800