

AGRICULTURAL CROP REPORT

1989



Solano County Department of Agriculture



DEPARTMENT OF AGRICULTURE
2000 WEST TEXAS STREET
FAIRFIELD, CALIFORNIA 94533

Mr. Henry J. Voss, Director
California Department of Food and Agriculture

The Honorable Board of Supervisors of Solano County

Kent Taylor, County Administrative Officer

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 1989. The report addresses the acreage, production, and gross values for agricultural commodities in Solano County and does not reflect net farm income or costs of production and marketing. This report emphasizes the average production and average value of gross receipts.

The total value of all agricultural products for 1989 was \$193,002,900, an increase of 14.7% or \$24,761,900. This rise in gross value reflects increased values across all production categories. Increased acreages occurred in field crops and seed crops while there was a reduction in the fruit and nut acreage.

The number of million dollar crops increased to 24 with the addition of safflower, certified sunflower seed, certified bean seed, apricots and kiwi. The largest percentage increase was in seed crops, with significant increases in yields and total values of beans and sunflowers.

Tomatoes grown for processing remain the leading agricultural commodity with a total value of \$34,754,000. While acreage was slightly reduced, the average price per ton increased by approximately 16%.

The second leading agricultural commodity was sugar beets, with field corn moving from second to fourth place. Sugar beet acreage was slightly reduced, but the price per ton increased. Irrigated and dryland wheat acreage increased, resulting in irrigated wheat becoming the third leading commodity.

Field crops, in general, increased approximately 18% with significant increases in gross values of barley (irrigated and dryland), beans, oats, pasture (rangeland), safflower, and dryland wheat.

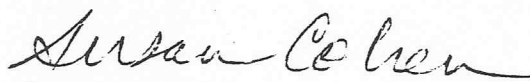
Fruit and nut crops, in general, increased approximately 17% with significant increases in acreages and yields of apricots and grapes.

Livestock and poultry maintained their value.

Gross value of farm products does not reflect total value to the economy. For every dollar value of an agricultural product there is a multiplying factor that may be applied, resulting in an economic impact in 1989 of over \$1 billion.

I would like to express my appreciation to the staff of this office, the U.C. Cooperative Extension Service, and other agencies who provided information for this report, as well as the many growers and ranchers of Solano County who make agriculture our most valued industry. Special recognition should be given to Lenny DaMassa, Supervising Agricultural Biologist, for compiling this report.

Respectfully,

A handwritten signature in cursive script that reads "Susan E. Cohen". The signature is written in dark ink and is positioned above the printed name.

Susan E. Cohen

ANNUAL CROP REPORT

COUNTY OF SOLANO

GROSS VALUES 1989

STATE DIRECTOR OF FOOD AND AGRICULTURE

Henry J. Voss

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SOLANO COUNTY DEPARTMENT OF AGRICULTURE

2000 West Texas Street

Fairfield, California 94533

(707) 429-6465

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SOLANO COUNTY FRUIT AND NUT ACREAGE STATISTICS

1989

<u>Orchard Crop</u>	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	1,876	0	1,876
Apples	118	0	118
Apricots	1,038	0	1,038
Cherries	76	2	78
Figs	12	0	12
Grapes(Wine)	1,234	587	1,821
Guava(Feijoa)	12	0	12
Kiwi	102	0	102
Olives	12	0	12
Oranges	26	0	26
Peaches (Freestone)	338	3	341
Pears	1,729	17	1,746
Pecans	2	0	2
Persimmons	2	4	6
Pistachio Nuts	24	0	24
Plums	19	0	19
Prunes	2,187	73	2,260
Tangerines	5	0	5
Walnuts (English)	3,050	1022	4,072
Walnuts (Black)	25	0	25

FIELD 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>
Barley, (Irrigated)	1989	13,500	2.45	33,075	Ton	118.00	3,902,900
	1988	5,000	2.40	12,000	Ton	107.00	1,284,000
Barley, (Dryland)	1989	4,441	1.34	5,951	Ton	118.00	702,200
	1988	4,527	1.00	4,527	Ton	107.00	484,400
Beans, Dry, All Market Classes*	1989	12,600	1.25	15,750	Ton	600.00	9,450,000
	1988	9,000	1.25	11,250	Ton	500.00	5,625,000
Field Corn	1989	29,500	4.62	136,290	Ton	110.00	14,991,900
	1988	32,000	4.80	153,600	Ton	110.00	16,896,000
Hay (Alfalfa)	1989	14,676	6.85	100,531	Ton	95.00	9,550,400
	1988	13,606	6.85	93,201	Ton	86.00	8,015,300
Hay (Grain)	1989	2,000	2.15	4,300	Ton	60.00	258,000
	1988	2,000	2.00	4,000	Ton	60.00	240,000
Hay (Grass)	1989	3,500	2.15	7,525	Ton	50.00	376,300
	1988	3,500	2.00	7,000	Ton	50.00	350,000
Nursery Stock	1989	582	---	---	---	---	12,294,600
	1988	776	---	---	---	---	11,267,900
Oats (Grain)	1989	2,500	2.10	5,250	Ton	125.00	656,300
	1988	2,179	.75	1,634	Ton	195.00	318,600
Pasture, (Irrigated)	1989	20,500	---	---	Acre	75.00	1,537,500
	1988	20,500	---	---	Acre	70.00	1,435,000
Pasture, (Rangeland)	1989	143,800	---	---	Acre	15.00	2,157,000
	1988	143,800	---	---	Acre	10.00	1,438,000
Safflower, Oil	1989	4,400	1.30	5,720	Ton	305.00	1,744,600
	1988	3,300	1.08	3,564	Ton	245.00	873,200
Sorghum (Milo)	1989	400	3.69	1,476	Ton	100.00	147,600
	1988	600	2.27	1,362	Ton	100.00	136,200
Sugar Beet	1989	17,871	25.21	450,528	Ton	40.71	18,341,000
	1988	18,528	23.50	435,408	Ton	36.00	15,674,700

* Value And Yield 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)	1989	53,528	2.60	139,173	Ton	125.00	17,396,600	
	1988	50,000	2.75	137,500	Ton	110.00	15,125,000	
Wheat, (Dryland)	1989	7,572	1.00	7,572	Ton	125.00	946,500	
	1988	6,000	.77	4,620	Ton	110.00	508,200	
Miscellaneous	1989	(Silage, Straw, Sunflower Oil, Etc.) ---						900,000
	1988	(Silage, Straw, Sunflower Oil, Etc.) ---						850,000
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TOTAL	1989	331,370					\$ 95,353,400	
FIELD CROPS	1988	315,316					\$ 80,521,500	
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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)	1989	---	---	434.3	Ton	2,000.00	868,600
	1988	---	---	704.1	Ton	2,000.00	1,408,200
Almond Hulls	1989	---	---	542.8	Ton	22.00	11,900
	1988	---	---	880.1	Ton	25.00	22,000
Total Almonds	1989	1,876	.230	434.3	Ton	---	880,500
	1988	2,194	.320	704.1	Ton	---	1,430,200
Apricots							
Dried * (6.5:1)	1989	---	---	494.3	Ton	2,015.00	996,000
	1988	---	---	312.0	Ton	1,890.00	589,700
Fresh Market	1989	---	---	152.5	Ton	1,037.00	158,100
	1988	---	---	320.5	Ton	946.00	303,200
Total Apricots	1989	1,038	3.240	3,366.4	Ton	---	1,154,100
	1988	1,032	2.120	2,192.5	Ton	---	892,900
Cherries							
Fresh Market	1989	76	.700	53.2	Ton	2,090.00	111,200
	1988	76	.700	53.2	Ton	3,000.00	159,600
Grapes, Wine **							
Dark Variety	1989	---	---	3,324.3	Ton	702.00	2,333,700
	1988	---	---	2,002.0	Ton	560.00	1,121,100
White Variety	1989	---	---	4,862.9	Ton	574.00	2,791,300
	1988	---	---	1,856.0	Ton	471.00	874,200
Total Grapes	1989	1,234	6.630	8,187.2	Ton	---	5,125,000
	1988	1,096	3.520	3,858.0	Ton	---	1,995,300
Kiwi ***							
	1989	102	6.900	703.8	Ton	1,430.00	1,006,400
	1988	102	5.000	510.0	Ton	1,700.00	867,000
Peaches (Freestone)							
Dried * (7.5:1)	1989	---	---	237.9	Ton	1,012.00	240,800
	1988	---	---	209.7	Ton	1,072.00	224,800

* 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	1989	338	5.280	1,784.2	Ton	---	240,800	
	1988	353	4.750	1,677.6	Ton	---	224,800	
Pears								
Canned #1	1989	---	---	18,360.0	Ton	230.00	4,222,800	
	1988	---	---	20,134.0	Ton	200.00	4,026,800	
Dried * (6.0:1)	1989	---	---	361.0	Ton	540.00	194,900	
	1988	---	---	84.0	Ton	720.00	60,500	
Fermentation & Juice Concentrate	1989	---	---	407.0	Ton	75.00	30,500	
	1988	---	---	33.0	Ton	25.00	800	
Fresh Market	1989	---	---	519.0	Ton	308.00	159,900	
	1988	---	---	69.0	Ton	325.00	22,400	
Total Pears	1989	1,729	12.410	21,452.0	Ton	---	4,608,100	
	1988	1,754	11.820	20,740.0	Ton	---	4,110,500	
Prunes **	1989	2,187	2.070	4,516.4	Ton	740.00	3,342,100	
	1988	2,240	2.470	5,533.0	Ton	720.00	3,983,800	
Walnuts	1989	3,050	.960	2,931.0	Ton	1,122.00	3,288,600	
	1988	2,583	1.280	3,306.0	Ton	960.00	3,173,800	
Miscellaneous	1989	228	(Apples, Figs, Guava, Olives,					376,700
	1988	235	Pecans, Persimmons, Pistachios, Plums, Black Walnuts, and Others)					326,000
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TOTAL FRUIT	1989	11,858					\$20,133,500	
& NUT CROPS	1988	11,684					\$17,216,400	
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* 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
Beans, Dry, All Market Classes *	1989	4,832	1.00	4,832	Ton	650.00	3,140,800
	1988	2,784	.87	2,422	Ton	600.00	1,453,200
Beans, Dry, All Market Classes,* Certified	1989	1,817	1.00	1,817	Ton	650.00	1,181,100
	1988	1,139	.84	957	Ton	600.00	574,200
Cantaloupe	1989	105	425.00	44,625	Lb.	2.25	100,400
	1988	232	300.00	69,600	Lb.	2.00	139,200
Cucumber	1989	687	275.00	188,925	Lb.	3.50	661,200
	1988	166	275.00	45,650	Lb.	3.50	159,800
Squash	1989	285	250.00	71,250	Lb.	3.50	249,400
	1988	247	200.00	49,400	Lb.	3.25	160,600
Sunflower	1989	983	.55	541	Ton	900.00	486,900
	1988	601	.65	391	Ton	1,000.00	391,000
Sunflower, Certified	1989	1,734	.81	1,405	Ton	1,000.00	1,405,000
	1988	1,516	.65	985	Ton	1,000.00	985,000
Watermelon	1989	611	375.00	229,125	Lb.	2.00	458,300
	1988	520	400.00	208,000	Lb.	2.00	416,000
Watermelon, Certified	1989	---	---	---	---	---	---
	1988	110	400.00	44,000	Lb.	2.00	88,000
Wheat, Certified	1989	1,103	2.75	3,033	Ton	142.50	432,200
	1988	1,108	2.65	2,936	Ton	120.00	352,300
Miscellaneous	1989	248	(Alfalfa,Oat,Onion,Pumpkin,				176,500
	1988	375	Safflower Oil,Sunflower Oil)				154,300

TOTAL	1989	12,405					\$8,291,800
SEED CROP	1988	8,798					\$4,873,600

* 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>
Tomatoes (Processing)	1989	18,585	34.00	631,890	Ton	55.00	34,754,000
	1988	18,688	36.00	672,768	Ton	47.50	31,956,500
Miscellaneous	1989	1,900	(Asparagus, Beans, Carrots,				3,463,200
	1988	1,900	Cucumbers, Endive, Melons, Onions, Mixed & Bell Peppers, Popcorn, Pumpkins, Spices, Squash, Sweet Corn, Tomatoes, & Misc. Vegetables)				2,872,200
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TOTAL	1989	20,485					\$38,217,200
VEGETABLE CROPS	1988	20,588					\$29,850,100
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LIVESTOCK AND POULTRY: PRODUCTION AND VALUE

<u>Item</u>	<u>Average Production</u>			<u>Average Value</u>		
	<u>Year</u>	<u>Head</u>	<u>Liveweight</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Cattle & Calves	1989	41,000	205,000	Cwt.	67.90	13,919,500
	1988	40,000	200,000	Cwt.	66.60	13,320,000
Hogs & Pigs	1989	100	200	Cwt.	46.30	9,300
	1988	100	200	Cwt.	47.00	9,400
Stock Sheep	1989	76,800	92,160	Cwt.	21.10	1,944,600
	1988	77,000	92,400	Cwt.	25.50	2,356,200
Feeder Lambs	1989	160,800	160,800	Cwt.	69.30	11,143,400
	1988	160,000	160,000	Cwt.	70.30	11,248,000
Miscellaneous	1989	(Chickens, Ducks, Pheasants, Rabbits,				123,400
	1988	Quail, Turkeys, Fish, Etc.)				124,800
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TOTAL LIVESTOCK & POULTRY	1989					\$ 27,140,200
	1988					\$ 27,058,400
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LIVESTOCK, POULTRY, AND APIARY PRODUCTS AND VALUE

Item	Average Production			Average Value	
	Year	Production	Unit	Per Unit	Total
Bees - Honey	1989	4,438	Lb.	.75	3,300
	1988	37,657	Lb.	.52	19,600
- Packages *	1989	1,120	Pkg.	16.00	17,900
	1988	1,550	Pkg.	14.40	22,300
- Pollination **	1989	6,148	Colony	20.00	123,000
	1988	5,175	Colony	20.00	103,500
- Queens	1989	23,283	Each	6.00	139,700
	1988	20,300	Each	6.00	121,800
- Queens-Breeder	1989	155	Each	100.00	15,500
	1988	110	Each	100.00	11,000
- Wax	1989	200	Lb.	.85	200
	1988	560	Lb.	1.00	600
Milk - Market	1989	220,165	Cwt.	12.34	2,716,800
	**** 1988	231,999	Cwt.	10.88	2,524,100
- Manufacturing	1989	144	Cwt.	11.60	1,700
	**** 1988	174	Cwt.	9.89	1,700
Wool	1989	643,410	Lb.	1.31	842,900
	1988	493,974	Lb.	1.33	657,000
Miscellaneous	1989	(Fertile Chicken Eggs,Chicken Eggs, Game Bird Eggs)			5,800
	1988	(Fertile Chicken Eggs,Chicken Eggs, Game Bird Eggs)			280,800
TOTAL LIVESTOCK, POULTRY, AND APIARY PRODUCTS & VALUE	1989			\$3,866,800
	1988			\$3,742,400 ****
GRAND TOTAL OF ALL AGRICULTURAL PRODUCTS	1989			\$193,002,900
	1988			\$168,241,000 ****

* Packages Include 2 Lbs. Bees Plus Queen
 ** Pollination Fee Varies By Crop, Crops Pollinated Include Alfalfa,
 Almond, Kiwi, Onion, Sunflower, Vine Seed
 **** 1988 Revised Due To Milk 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>
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	26,044,600	147,615,700
1988	80,521,500	17,216,400	4,873,600	34,828,700	*30,800,800	*168,241,000
1989	95,353,400	20,133,500	8,291,800	38,217,200	31,007,000	193,002,900

CLASSIFICATION OF ACREAGE 1989

Field Crops	167,070
Fruit & Nuts Crops	13,566 **
Pasture Lands	164,300
Seed Crops	12,405
Vegetable Crops	20,485

TOTAL AREA

827 Square Miles - 529,280 Acres

Estimated Total County Population 1/1/89 - 321,087

JANUARY 1, 1990 INVENTORY OF LIVESTOCK AND POULTRY

<u>Item</u>	<u>No. of Head</u>
Cattle and Calves	
All	54,900
Milk Cows	450
Hens and Pullets (of laying age)	15,000
Hogs and Pigs	100
Horses and Mules	4,200
Stock Sheep	76,800

* 1988 Revised Due To Milk Figures

** Includes Non-bearing Acreage

1989 RANKING	MILLION DOLLAR CROPS	1988 RANKING
1.	TOMATOES \$34,754,000	1
2.	SUGAR BEETS 18,341,000	3
3.	WHEAT, IRRIGATED 17,396,600	4
4.	FIELD CORN 14,991,900	2
5.	CATTLE & CALVES 13,919,500	5
6.	NURSERY STOCK 12,294,600	6
7.	FEEDER LAMBS 11,143,400	7
8.	ALFALFA HAY 9,550,400	8
9.	BEANS, DRY, ALL MARKET CLASSES 9,450,000	9
10.	GRAPES 5,125,000	15
11.	PEARS 4,608,100	10
12.	BARLEY, IRRIGATED 3,902,900	20
13.	PRUNES 3,342,100	11
14.	WALNUTS 3,288,600	12
15.	BEANS, DRY, ALL MARKET CLASSES, SEED 3,140,800	16
16.	MILK 2,716,800	13
17.	PASTURE, RANGELAND 2,157,000	17
18.	STOCK SHEEP 1,944,600	14
19.	SAFFLOWER, OIL 1,744,600	--
20.	PASTURE, IRRIGATED 1,537,500	18
21.	SUNFLOWER, SEED CERTIFIED 1,405,000	--
22.	BEANS, DRY, ALL MARKET CLASSES, SEED, CERTIFIED 1,181,100	--
23.	APRICOTS 1,154,100	--
24.	KIWI 1,006,400	--