

# **AGRICULTURAL CROP REPORT**

# **1988**



**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. Kent Taylor, 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 1988. 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 1988 was \$168,239,400 up \$20,623,700 from 1987. This rise in gross value is due to moderately increased yields in all categories with particular emphasis in increased prices paid for each unit on most commodities.

Again, tomatoes were the leading agricultural crop in 1988 in gross value at \$31,956,500, a increase of \$7,457,300. Acreage increased from 16,000 in 1987 to 18,688 in 1988.

Field corn became the second leading agricultural crop in terms of gross value with \$16,896,000.

Sugar beets, the third leading agricultural crop had a gross value of \$15,674,700.

Field crops, in general, were up \$10,671,400. This increase is due primarily to moderately increased yields per acre, with a particular emphasis in increased prices paid for each unit on most commodities.

Fruit and nut crops were up \$170,700 from 1987 due primarily to an increase in prices paid per unit.

Seed crops were up \$48,400 due to an increase in prices paid per unit despite a overall decrease in acres planted.

Vegetable crops were up \$4,978,600 due largely to increased acreage of tomatoes and an increase in the price paid per unit.

The gross value of animal production was up \$4,568,000 due primarily to increased prices paid per unit for cattle and calves. In addition, we have standardized the stock sheep inventory to indicate a more accurate picture of the sheep and wool industry in Solano County. This is reflected in an increased production return in this years crop report.

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

## FOOD SAFETY

This year will undoubtedly be remembered as the year in which food safety became a major concern of the public. Reports concerning Alar on apples and adulterated Chilean fruit served to heighten public awareness and concern over the safety of their fresh food supply. Ironically, at the very same time, the National Academy of Sciences released a 1400 page report strongly encouraging the public to double their consumption of fresh fruits and vegetables.

California has long had the well deserved reputation of having the toughest regulations concerning food safety and pesticide usage in the world. California's strong pesticide regulatory program is administered jointly throughout the state by the California Department of Food and Agriculture and the county Agricultural Commissioners. This program utilizes over 650,000 staff hours annually to make certain that pesticides are being used legally and safely. Food grown under California's tight regulatory program is safe.

This program is not only the toughest state program in existence but has restrictions on pesticides and their usage which exceed the United States Environmental Protection Agency's standards. While these restrictions substantially increase the cost of agricultural production for California producers over products grown in other states and countries, they provide top protection to farm workers, the environment and consumers of California products. California has long been on the leading edge in developing programs to regulate pesticides and quite often the E.P.A. adopts its pesticide programs based on California's leadership.

California's pesticide residue sampling for agricultural products is by far the most extensive program anywhere. The number of residue samples analyzed in this program not only exceeds the total number of samples of all the other states combined but also exceeds the total number of samples analyzed by the U.S. Food and Drug Administration for the entire nation. Because this program is cooperatively administered by a system of county and state regulatory agencies, it affords a timely response in sampling, analyzing and quarantining any product not meeting the high standards established to ensure its safety.

While agricultural producers must bear the increased burden of trying to produce top quality products under increasingly tighter restrictions, California's leadership has determined that affording this level of protection is the cost of doing business in California.

Other states and countries would be well advised to afford their citizens and environments California's level of protection.

JOHN M. DONAHUE  
AGRICULTURAL COMMISSIONER  
STATE PLANT QUARANTINE OFFICER  
OFFICE PHONE 429-6465 OR 429-6466

GARY SILVERIA  
ASST. COMMISSIONER



ANNUAL CROP REPORT

GROSS VALUES 1988

DEPARTMENT OF AGRICULTURE

2000 WEST TEXAS STREET  
FAIRFIELD, CALIFORNIA 94533

STATE DIRECTOR OF FOOD AND AGRICULTURE

Jack C. Parnell

SOLANO COUNTY BOARD OF SUPERVISORS

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COUNTY ADMINISTRATOR

Kent Taylor

SOLANO COUNTY DEPARTMENT OF AGRICULTURE

2000 West Texas Street  
Fairfield, California 94533  
(707) 429-6465

AGRICULTURAL COMMISSIONER

John M. Donahue

DEPUTY AGRICULTURAL COMMISSIONER

Gary R. Silveria

SUPERVISING AGRICULTURAL BIOLOGIST

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Jeffrey Erwin                              Richard Low  
Donna Saxen

MANAGEMENT SERVICES SPECIALIST

Nancy Page

CLERICAL SUPPORT SPECIALIST

Diana Harris  
Lisa Hurst

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SOLANO COUNTY FRUIT AND NUT ACREAGE STATISTICS

1988

<u>Orchard Crop</u>	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	2,194	0	2,194
Apples	118	0	118
Apricots	1,032	20	1,052
Cherries	76	2	78
Figs	12	0	12
Grapes(Wine)	1,096	364	1,460
Guava(Feijoa)	12	0	12
Kiwi	102	0	102
Olives	12	0	12
Oranges	26	0	26
Peaches (Freestone)	353	3	356
Pears	1,754	17	1,771
Pecans	2	0	2
Persimmons	4	0	4
Pistachio Nuts	24	0	24
Plums	19	0	19
Prunes	2,240	53	2,293
Tangerines	5	0	5
Walnuts (English)	2,583	1432	4,015
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)	1988	5,000	2.40	12,000	Ton	107.00	1,284,000
	1987	6,800	2.30	15,640	Ton	89.00	1,392,000
Barley, (Dryland)	1988	4,527	1.00	4,527	Ton	107.00	484,400
	1987	3,181	1.17	3,722	Ton	89.00	331,300
Beans, Dry, All Market Classes*	1988	9,000	1.25	11,250	Ton	500.00	5,625,000
	1987	7,500	1.00	7,500	Ton	375.00	2,812,500
Field Corn	1988	32,000	4.80	153,600	Ton	110.00	16,896,000
	1987	37,000	4.67	172,790	Ton	82.00	14,168,800
Hay (Alfalfa)	1988	13,606	6.85	93,201	Ton	86.00	8,015,300
	1987	11,500	6.85	78,775	Ton	73.00	5,750,600
Hay (Grain)	1988	2,000	2.00	4,000	Ton	60.00	240,000
	1987	5,800	2.50	14,500	Ton	55.00	797,500
Hay (Grass)	1988	3,500	2.00	7,000	Ton	50.00	350,000
	1987	3,800	2.00	7,600	Ton	35.00	266,000
Nursery Stock	1988	776	---	---	---	---	11,267,900
	1987	704	---	---	---	---	11,063,100
Oats (Grain)	1988	2,179	.75	1,634	Ton	195.00	318,600
	1987	2,200	1.10	2,420	Ton	110.00	266,200
Pasture, (Irrigated)	1988	20,500	---	---	Acre	70.00	1,435,000
	1987	20,500	---	---	Acre	70.00	1,435,000
Pasture, (Rangeland)	1988	143,800	---	---	Acre	10.00	1,438,000
	1987	145,300	---	---	Acre	10.00	1,453,000
Safflower, Oil	1988	3,300	1.08	3,564	Ton	245.00	873,200
	1987	1,359	1.37	1,862	Ton	200.00	372,400
Sorghum (Milo)	1988	600	2.27	1,362	Ton	100.00	136,200
	1987	800	2.50	2,000	Ton	85.00	170,000
Sugar Beet	1988	18,528	23.50	435,408	Ton	36.00	15,674,700
	1987	19,211	26.08	501,044	Ton	35.25	17,661,800

\* Value And Yield May Vary By Variety



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

<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>
Wheat, (Irrigated)	1988	50,000	2.75	137,500	Ton	110.00	15,125,000
	1987	50,000	2.35	117,500	Ton	90.00	10,575,000
Wheat, (Dryland)	1988	6,000	.77	4,620	Ton	110.00	508,200
	1987	8,221	1.00	8,221	Ton	90.00	739,900
Miscellaneous	1988	(Silage, Straw, Sunflower Oil, Etc.)			---		850,000
	1987	(Silage, Straw, Sunflower Oil, Etc.)			---		595,000
TOTAL	1988	315,316					\$ 80,521,500
FIELD CROPS	1987	323,876					\$ 69,850,100

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>
Almonds							
Almond (Meats)	1988	---	---	704.1	Ton	2,000.00	1,408,200
	1987	---	---	847.0	Ton	2,100.00	1,778,700
Almond Hulls	1988	---	---	880.1	Ton	25.00	22,000
	1987	---	---	1,059.0	Ton	20.00	21,200
Total Almonds	1988	2,194	.320	704.1	Ton	---	1,430,200
	1987	2,325	.364	847.0	Ton	---	1,799,900
Apricots							
Dried * (6.0:1)	1988	---	---	312.0	Ton	1,890.00	589,700
	1987	---	---	284.8	Ton	1,860.00	529,700
Fresh Market	1988	---	---	320.5	Ton	946.00	303,200
	1987	---	---	450.0	Ton	920.00	414,000
Juice	1988	---	---	---	Ton	---	---
	1987	---	---	100.0	Ton	250.00	25,000
Total Apricots	1988	1,032	2.120	2,192.5	Ton	---	892,900
	1987	1,063	2.125	2,258.8	Ton	---	968,700
Cherries							
Fresh Market	1988	76	.700	53.2	Ton	3,000.00	159,600
	1987	119	1.689	201.1	Ton	2,000.00	402,200
Grapes, Wine **							
Dark Variety	1988	---	---	2,002.0	Ton	560.00	1,121,100
	1987	---	---	2,133.0	Ton	349.00	744,400
White Variety	1988	---	---	1,856.0	Ton	471.00	874,200
	1987	---	---	1,471.0	Ton	330.00	485,400
Total Grapes	1988	1,096	3.520	3,858.0	Ton	---	1,995,300
	1987	1,138	3.167	3,604.0	Ton	---	1,229,800
Kiwi ***	1988	102	5.000	510.0	Ton	1,700.00	867,000
	1987	98	4.100	401.8	Ton	1,800.00	723,200
Peaches (Freestone)							
Dried * (8.0:1)	1988	---	---	209.7	Ton	1,072.00	224,800
	1987	---	---	215.0	Ton	1,041.00	223,800

\* 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	1988	353	4.750	1,677.6	Ton	---	224,800
	1987	368	4.791	1,763.0	Ton	---	223,800
Pears							
Canned #1	1988	---	---	20,134.0	Ton	200.00	4,026,800
	1987	---	---	17,141.0	Ton	175.00	2,999,700
Dried *	1988	---	---	84.0	Ton	720.00	60,500
(6.0:1)	1987	---	---	6.6	Ton	520.00	3,400
Fermentation & Juice Concentrate	1988	---	---	33.0	Ton	25.00	800
	1987	---	---	3,573.0	Ton	85.00	303,700
Fresh Market	1988	---	---	69.0	Ton	325.00	22,400
	1987	---	---	7.0	Ton	105.00	700
Total Pears	1988	1,754	11.820	20,740.0	Ton	---	4,110,500
	1987	2,037	10.193	20,764.0	Ton	---	3,307,500
Plums	1988	19	2.500	47.5	Ton	1,106.00	52,500
	1987	19	4.200	79.8	Ton	714.00	57,000
Prunes **	1988	2,240	2.470	5,533.0	Ton	720.00	3,983,800
	1987	2,239	2.799	6,269.0	Ton	700.00	4,388,300
Walnuts	1988	2,583	1.280	3,306.0	Ton	960.00	3,173,800
	1987	2,583	1.277	3,299.0	Ton	1,040.00	3,431,000
Miscellaneous	1988	235	(Apples, Figs, Guava, Olives,				326,000
	1987	241	Oranges, Pecans, Persimmons,				514,300
			Pistachios, Black Walnuts, Etc.)				
TOTAL FRUIT & NUT CROPS	1988	11,684					\$17,216,400
	1987	12,230					\$17,045,700

\* Drying Ratio  
 \*\* Dry Yield

SEED 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>
Beans, Dry, All Market Classes *	1988	2784	.87	2,422	Ton	600.00	1,453,200
	1987	3430	.75	2,573	Ton	520.00	1,338,000
Beans, Dry, All Market Classes,* Certified	1988	1139	.84	957	Ton	600.00	574,200
	1987	1533	.85	1,303	Ton	510.00	644,500
Cantaloupe	1988	232	300.00	69,600	Lb.	2.00	139,200
	1987	239	400.00	95,600	Lb.	2.00	191,200
Cucumber	1988	166	275.00	45,650	Lb.	3.50	159,800
	1987	235	340.00	79,900	Lb.	3.45	275,700
Squash	1988	247	200.00	49,400	Lb.	3.25	160,600
	1987	130	380.00	49,400	Lb.	3.10	153,100
Sunflower	1988	601	.65	391	Ton	1,000.00	391,000
	1987	480	.90	432	Ton	900.00	388,800
Sunflower, Certified	1988	1,516	.65	985	Ton	1,000.00	985,000
	1987	1,055	.90	950	Ton	900.00	855,000
Watermelon	1988	520	400.00	208,000	Lb.	2.00	416,000
	1987	409	310.00	126,790	Lb.	2.00	253,600
Watermelon, Certified	1988	110	400.00	44,000	Lb.	2.00	88,000
	1987	---	---	---	---	---	---
Wheat, Certified	1988	1,108	2.65	2,936	Ton	120.00	352,300
	1987	1,370	2.82	3,863	Ton	100.00	386,300
Miscellaneous	1988	375	(Alfalfa, Carrot, Onion, Pepper, Safflower)				154,300
	1987	267					339,000
TOTAL SEED CROP	1988	8,798					\$4,873,600
	1987	9,148					\$4,825,200

\* Value and Yield Vary By Variety

VEGETABLE CROPS: ACREAGE, PRODUCTION AND VALUE

<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>
Tomatoes (Processing)	1988	18,688	36.00	672,768	Ton	47.50	31,956,500
	1988	16,000	33.00	528,000	Ton	46.40	24,499,200
	<i>1987</i>						
Miscellaneous	1988	1,900	(Asparagus, Beans, Carrots,				2,872,200
	1987	1,963	Cucumbers, Endive, Melons, Onions, Mixed & Bell Peppers, Popcorn, Pumpkins, Spices, Squash, Sweet Corn, Tomatoes, & Misc. Vegetables)				5,350,900
TOTAL	1988	20,588					\$34,828,700
VEGETABLE CROPS	1987	17,963					\$29,850,100

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	1988	40,000	200,000	Cwt.	66.60	13,320,000
	1987	40,000	200,000	Cwt.	56.30	11,260,000
Hogs & Pigs	1988	100	200	Cwt.	47.00	9,400
	1987	100	200	Cwt.	58.00	11,600
Stock Sheep	1988	77,000	92,400	Cwt.	25.50	2,356,200
	1987	20,185	24,222	Cwt.	25.10	608,000
Feeder Lambs	1988	160,000	160,000	Cwt.	70.30	11,248,000
	1987	156,008	140,407	Cwt.	74.90	10,516,500
Miscellaneous	1988	(Chickens, Ducks, Pheasants, Rabbits,				124,800
	1987	Quail, Turkeys, Fish, Etc.)				94,300
TOTAL LIVESTOCK & POULTRY	1988					\$ 27,058,400
	1987					\$ 22,490,400

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	1988	37,657	Lb.	.52	19,600
	1987	10,488	Lb.	.65	6,800
- Packages *	1988	1,550	Pkg.	14.40	22,300
	1987	2,195	Pkg.	15.00	32,900
- Pollination **	1988	5,175	Colony	20.00	103,500
	1987	5,885	Colony	19.00	111,800
- Queens	1988	20,300	Each	6.00	121,800
	*** 1987	23,000	Each	7.25	166,800
- Queens-Breeder	1988	110	Each	100.00	11,000
	1987		(See Queens Above)		
- Wax	1988	560	Lb.	1.00	560
	1987	165	Lb.	.90	100
Milk - Market	1988	231,825	Cwt.	10.88	2,522,300
	**** 1987	205,294	Cwt.	11.41	2,342,400
- Manufacturing	1988	194	Cwt.	9.89	1,900
	1987	--	--	--	--
Wool	1988	493,974	Lb.	1.33	657,000
	1987	456,709	Lb.	.88	401,900
Miscellaneous	1988	(Fertile Chicken Eggs, Chicken Eggs, Game Bird Eggs)			280,800
	1987	(Fertile Chicken Eggs, Chicken Eggs, Game Bird Eggs)			491,500
TOTAL LIVESTOCK, POULTRY, AND APIARY PRODUCTS & VALUE	1988	. . . . .			\$ 3,740,800
	1987	. . . . .			\$ 3,554,200 ****
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GRAND TOTAL OF ALL AGRICULTURAL PRODUCTS	1988	. . . . .			\$168,239,400
	1987	. . . . .			\$147,615,700 ****

\* 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  
 \*\*\*\* 1987 Revised Due To Milk Figures

S U M M A R Y

<u>Year</u>	<u>Field Crops</u>	<u>Fruit &amp; Nut Crops</u>	<u>Seed Crops</u>	<u>Vegetable Crops</u>	<u>Animal Production</u>	<u>Totals</u>
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	*26,044,600	*147,615,700
1988	80,521,500	17,216,400	4,873,600	34,828,700	30,799,200	168,239,400

CLASSIFICATION OF ACREAGE

Field Crops . . . . .	151,016
Fruit & Nuts Crops . . . . .	11,684
Pasture Lands . . . . .	164,300
Seed Crops . . . . .	8,798
Vegetable Crops . . . . .	20,588

TOTAL AREA

Square Miles - 827

Estimated Total County Population - 303,546

JANUARY 1, 1989 INVENTORY OF LIVESTOCK AND POULTRY

<u>Item</u>	<u>No. of Head</u>
Cattle and Calves	
All . . . . .	55,000
Milk Cows . . . . .	500
Hens and Pullets (of laying age) . . . . .	23,000
Hogs and Pigs . . . . .	100
Horses and Mules . . . . .	4,200
Stock Sheep . . . . .	77,000

\* 1987 Revised Due To Milk Figures



MILLION DOLLAR CROPS

1.	TOMATOES	. . . . .	\$31,956,500
2.	FIELD CORN	. . . . .	16,896,000
3.	SUGAR BEETS	. . . . .	15,674,700
4.	WHEAT, IRRIGATED.	. . . . .	15,125,000
5.	CATTLE & CALVES	. . . . .	13,320,000
6.	NURSERY STOCK	. . . . .	11,267,900
7.	FEEDER LAMBS	. . . . .	11,248,000
8.	ALFALFA HAY	. . . . .	8,015,300
9.	BEANS, DRY, ALL MARKET CLASSES	. . . . .	5,625,000
10.	PEARS	. . . . .	4,110,500
11.	PRUNES	. . . . .	3,983,800
12.	WALNUTS	. . . . .	3,173,800
13.	MILK	. . . . .	2,254,200
14.	STOCK SHEEP	. . . . .	2,356,200
15.	GRAPES	. . . . .	1,995,300
16.	BEANS, DRY, ALL MARKET CLASSES, SEED	. . . . .	1,453,200
17.	PASTURE, RANGELAND.	. . . . .	1,438,000
18.	PASTURE, IRRIGATED.	. . . . .	1,435,000
19.	ALMONDS	. . . . .	1,430,200
20.	BARLEY, IRRIGATED	. . . . .	1,284,000