

Stanislaus County



1990
*Agricultural
Crop Report*

STANISLAUS COUNTY DEPARTMENT OF AGRICULTURE
1990 ANNUAL CROP REPORT

Keith L. Mahan
Agricultural Commissioner

The Honorable Board of Supervisors
County of Stanislaus

Albert Beltrami
Chief Administrative Officer

Cover: W. Art Mahan, 1918 dryland farming and cattle operation.

April 15, 1991

Henry J. Voss, Director
State of California
Department of Food and Agriculture
1220 N Street, Room 409
Sacramento, CA 94271-0001

The Honorable Board of Supervisors
Stanislaus County
1100 H Street
Modesto, CA 95354

The Stanislaus County Agricultural Crop Report for 1990 is hereby submitted in compliance with section 2272 and 2279 of the California Food and Agricultural Code.

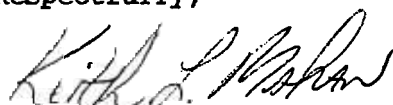
The Stanislaus County gross agricultural income for 1990 exceeded one billion dollars for an all time high of \$1,038,356,000. This is an increase of \$74,465,000 or approximately 8% over 1989. The Fruit and Nut category exhibited an overall increase, despite decreased stone fruit production, primarily due to almonds experiencing their best countywide production. In the Field Crop category, alfalfa hay and silage showed the greatest increases with dry beans decreasing in both acreage and yield. In Vegetable Crops, melons suffered significant losses due to insect borne viral diseases, which greatly decreased yields. However, three new commodities (lettuce, onions, and pumpkins), were separately reported due to their increased production. Substantial gains were made in Livestock and Poultry due to the increases in chickens and turkeys for market, although egg production dropped slightly.

Six of the top ten commodities in Stanislaus County are almost exclusively grown in California with this county contributing a significant portion of the state's overall production. Stanislaus ranks first in California in the production of casaba, crenshaw and honeydew melons, apricots, and dry beans. Stanislaus also ranks as the second largest almond producing county in the state.

While 1990 set an all time record for Stanislaus County agriculture, we must strongly restate that the figures contained in this report are countywide averages and represent GROSS income to the grower and do not reflect the cost of production. The increased gross agricultural income during the fourth year of a severe drought is an excellent indication of the tremendous competitive advantage Stanislaus County enjoys due to its favorable climate, deep well drained soils and extensively developed irrigation systems.

We wish to express our appreciation to the many people who contributed to this document with special thanks to Sheryl Emery, who compiled the 1990 Crop Report.

Respectfully,


KEITH L. MAHAN
Agricultural Commissioner
Department of Agriculture
Stanislaus County


PHILIP P. OSTERLI
Director
Cooperative Extension
Stanislaus County

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PERMANENT CROP ACREAGES

	Year	Bearing Acres	Non-Bearing Acres	Total
Almonds	1990	69,500	4,040	73,500
	1989	67,800	5,280	73,100
Apples	1990	1,220	173	1,390
	1989	880	293	1,170
Apricots	1990	7,150	1,790	8,940
	1989	7,110	1,600	8,710
Avocados	1990	19	0	19
	1989	17	2	19
Boysenberries	1990	95	0	95
	1989	130	0	130
Cherries	1990	1,290	293	1,580
	1989	968	322	1,290
Citrus	1990	190	0	190
	1989	183	6	189
	1990	5	0	5
	1989	5	0	5
Grapes, All	1990	17,400	945	18,300
	1989	16,200	1,210	17,400
Raisin	1990	1,200	5	1,210
	1989	1,220	5	1,230
Table	1990	23	0	23
	1989	23	0	23
Wine, Red	1990	6,800	202	7,000
	1989	6,330	571	6,900
Wine, White	1990	9,340	738	10,100
	1989	8,630	638	9,270
Guava/Feijoa	1990	8	0	8
	1989	8	30	38
	1990	264	11	275
	1989	247	11	258

PERMANENT CROP ACREAGES Continued

	Year	Bearing Acres	Non-Bearing Acres	Total
Nectarines	1990	104	21	125
	1989	107	21	128
Olives	1990	4	0	4
	1989	4	0	4
Peaches, All	1990	10,300	1,320	11,600
	1989	9,780	1,080	10,900
Cling	1990	9,010	1,220	10,200
	1989	8,610	1,020	9,630
Freestone	1990	1,290	101	1,390
	1989	1,170	55	1,230
Pears	1990	80	4	84
	1989	73	3	76
Pecans	1990	37	3	40
	1989	29	7	36
Persimmons	1990	22	24	46
	1989	25	25	50
Pistachios	1990	238	34	272
	1989	61	100	161
Plums	1990	88	15	103
	1989	71	15	86
Prunes	1990	124	35	159
	1989	93	35	128
Walnuts	1990	25,600	2,780	28,400
	1989	24,300	2,240	26,600
Total	1990	134,000	11,500	146,000
	1989	128,000	12,300	140,000



FRUIT & NUT CROPS

	Year	Harvested Acres	Production			Value	
			Per Acre	Total	Unit	Per Unit	Total
Almond Meats	1990	69,500	.92	63,900	TON	\$1,720.00	\$109,908,000
	1989	67,800	.63	42,700	TON	2,200.00	93,940,000
Almond Hulls	1990			128,000	TON	70.00	8,960,000
	1989			112,000	TON	63.50	7,112,000
Apples	1990	1,220	7.00	8,540	TON	349.00	2,980,000
	1989	880	8.50	7,480	TON	334.00	2,498,000
Apricots	1990	7,150	8.80	62,900	TON	269.00	16,920,000
	1989	7,110	10.10	71,800	TON	268.00	19,242,000
Boysenberries	1990	95	4.41	419	TON	1,760.00	737,000
	1989	130	4.18	543	TON	1,350.00	733,000
Cherries	1990	1,290	1.28	1,650	TON	2,500.00	4,125,000
	1989	968	3.86	3,740	TON	1,490.00	5,573,000
Grapes, Crushed All	1990	17,400		168,000	TON		28,611,000
	1989	16,200		152,000	TON		26,228,000
Red Varieties	1990	6,800	8.04	54,700	TON	182.00	9,955,000
	1989	6,330	9.25	58,600	TON	200.00	11,720,000
White (1) Varieties	1990	10,600	10.00	106,000	TON	176.00	18,656,000
	1989	9,850	9.50	93,600	TON	155.00	14,508,000
Kiwi	1990	264	2.70	713	TON	2,230.00	1,590,000
	1989	247	3.89	961	TON	1,500.00	1,442,000
Peaches, All	1990	10,300		159,000	TON		33,924,000
	1989	9,780		161,000	TON		33,718,000
Cling	1990	9,010	15.10	136,000	TON	221.00	30,056,000
	1989	8,610	16.00	138,000	TON	219.00	30,222,000
Freestone	1990	1,290	18.10	23,300	TON	166.00	3,868,000
	1989	1,170	19.40	22,700	TON	154.00	3,496,000
Walnuts, In- Shell	1990	25,600	1.52	38,900	TON	1,010.00	39,289,000
	1989	24,300	1.44	35,000	TON	950.00	33,250,000
Miscellaneous (2)	1990	904					2,339,000
	1989	699					2,033,000
Total	1990	134,000					\$249,383,000
	1989	128,000					225,769,000

(1) Includes Raisin and Table Grapes

(2) Includes Citrus, Nectarines, Pears, Pecans, Pistachios, Plums, and Prunes



FIELD CROPS

	Year	Harvested Acres	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Barley	1990	6,600	1.80	11,900	TON	\$ 104.00	\$ 1,238,000
	1989	5,490	1.80	9,880	TON	111.00	1,097,000
Beans, Dry Edible, All	1990	33,500		39,200	TON		26,511,000
	1989	31,200		39,800	TON		26,826,000
Blackeyes	1990	8,590	1.10	9,450	TON	596.00	5,632,000
	1989	7,900	.91	7,190	TON	503.00	3,617,000
Baby Limas	1990	7,800	1.16	9,050	TON	648.00	5,864,000
	1989	6,180	1.56	9,640	TON	597.00	5,755,000
Large Limas	1990	9,740	1.20	11,700	TON	832.00	9,734,000
	1989	9,540	1.30	12,400	TON	793.00	9,833,000
Others (1)	1990	7,400	1.21	8,950	TON	590.00	5,281,000
	1989	7,590	1.39	10,600	TON	719.00	7,621,000
Corn, Grain	1990	1,560	3.92	6,120	TON	112.00	685,000
	1989	1,500	4.00	6,000	TON	110.00	660,000
Hay, Alfalfa	1990	36,600	7.20	264,000	TON	106.00	27,984,000
	1989	31,000	7.50	233,000	TON	98.60	22,974,000
Hay, Grain	1990	19,500	3.40	66,300	TON	80.00	5,304,000
	1989	13,700	3.24	44,400	TON	74.00	3,286,000
Hay, Other (2)	1990	2,310	1.76	4,070	TON	94.00	383,000
	1989	2,700	1.60	4,320	TON	79.00	341,000
Pasture, Irrigated	1990	75,000			ACRE	150.00	11,250,000
	1989	72,500			ACRE	145.00	10,513,000
Rangeland	1990	359,000			ACRE	16.00	5,744,000
	1989	369,000			ACRE	16.00	5,904,000
Rice	1990	2,430	3.72	9,040	TON	147.00	1,329,000
	1989	2,205	3.14	6,920	TON	166.00	1,149,000
Silage, All	1990	65,300		1,294,000	TON		25,202,000
	1989	52,600		1,143,000	TON		19,789,000
Cereal (3)	1990	29,000	11.70	339,000	TON	18.00	6,102,000
	1989	20,600	12.60	260,000	TON	14.30	3,718,000
Corn	1990	36,300	26.30	955,000	TON	20.00	19,100,000
	1989	32,000	27.60	883,000	TON	18.20	16,071,000

FIELD CROPS Continued

	Year	Harvested Acres	Production			Value	
			Per Acre	Total	Unit	Per Unit	Total
Sudan	1990	1,500	3.35	5,030	TON	\$ 70.00	\$ 352,000
	1989	1,480	3.50	5,180	TON	65.00	337,000
Sugar Beets	1990	2,260	32.20	72,800	TON	36.40	2,650,000
	1989	1,580	34.40	54,400	TON	37.00	2,013,000
Wheat	1990	6,500	2.90	18,900	TON	106.00	2,003,000
	1989	6,850	2.00	13,700	TON	135.00	1,850,000
Miscellaneous (4)	1990	1,250					586,000
	1989	672					317,000
Total	1990	613,000					\$111,221,000
	1989	592,000					97,056,000

- (1) Includes Florida Butter, Henderson, Jackson, Kidney, Pink, Pinto
 (2) Includes Bean, Pea, Volunteer
 (3) Includes Barley, Forage Mix, Oats, Rye, Wheat
 (4) Includes Milo, Popcorn, Safflower, Straw, Sunflowers



VEGETABLE CROPS

	Year	Harvested Acres	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Beans, Green Lima	1990	11,300	1.77	20,000	TON	\$ 500.00	\$10,000,000
	1989	11,800	1.58	18,600	TON	500.00	9,300,000
Beans, Snap	1990	2,280	3.30	7,520	TON	235.00	1,767,000
	1989	2,300	3.25	7,480	TON	210.00	1,571,000
Broccoli	1990	1,340	3.50	4,690	TON	450.00	2,111,000
	1989	931	3.90	3,630	TON	370.00	1,343,000
Cauliflower	1990	1,600	3.40	5,440	TON	460.00	2,502,000
	1989	1,170	4.02	4,710	TON	432.00	2,030,000
Lettuce (4)	1990	248	15.10	3,740	TON	307.00	1,148,000
Melons, All	1990	8,270		72,600	TON		12,109,000
	1989	8,210		98,600	TON		19,884,000
Cantaloupe	1990	1,890	8.25	15,600	TON	209.00	3,260,000
	1989	2,070	11.90	24,600	TON	240.00	5,904,000
Casaba	1990	375	9.00	3,380	TON	143.00	483,000
	1989	170	9.83	1,670	TON	250.00	418,000
Crenshaw	1990	290	10.00	2,900	TON	240.00	696,000
	1989	370	9.50	3,520	TON	260.00	915,000
Honeydew	1990	4,020	7.70	31,000	TON	166.00	5,146,000
	1989	3,650	10.90	39,800	TON	225.00	8,955,000
Other, Musk (1)	1990	610	5.00	3,050	TON	165.00	503,000
	1989	550	9.20	5,060	TON	260.00	1,316,000
Watermelon	1990	1,080	15.50	16,700	TON	121.00	2,021,000
	1989	1,400	17.10	23,900	TON	99.50	2,376,000
Onion (4)	1990	800	20.80	16,600	TON	142.00	2,357,000
Peas, Green	1990	7,530	1.44	10,800	TON	260.00	2,808,000
Processing	1989	5,060	1.73	8,750	TON	221.00	1,934,000
Peppers	1990	1,470	12.40	18,200	TON	175.00	3,185,000
	1989	1,200	16.70	20,000	TON	165.00	3,300,000
Pumpkins (4)	1990	1,370	8.00	11,000	TON	180.00	1,973,000
Spinach	1990	2,850	8.80	25,100	TON	82.70	2,076,000
	1989	1,850	9.48	17,500	TON	75.70	1,325,000

VEGETABLE CROPS Continued

	Year	Harvested Acres	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Squash (2)	1990	260	21.80	5,670	TON	\$ 141.00	\$ 799,000
	1989	1,150	12.30	14,100	TON	124.00	1,748,000
Sweet Potatoes	1990	714	11.00	7,850	TON	330.00	2,591,000
	1989	743	9.53	7,080	TON	412.00	2,917,000
Tomatoes, All	1990	18,000		432,000	TON		47,782,000
	1989	15,200		430,000	TON		45,741,000
Fresh	1990	4,490	15.00	67,400	TON	410.00	27,634,000
	1989	3,650	19.00	69,400	TON	373.00	25,886,000
Processing	1990	13,500	27.00	365,000	TON	55.20	20,148,000
	1989	11,500	31.40	361,000	TON	55.00	19,855,000
Miscellaneous (3)	1990	1,100					2,151,000
	1989	2,300					4,474,000
Total	1990	59,100					\$ 95,359,000
	1989	51,900					95,567,000

(1) Includes Juan Canary, Orange Flesh, Persian, Santa Claus

(2) Includes Banana and Zucchini Squash, (1989 figures include Pumpkins)

(3) Includes Cabbage, Carrots, Celery, Cucumbers, Eggplant, Spices, Table Beets
(1989 figures include Lettuce and Onions)

(4) Not reported separately in 1989



SEED CROPS

	Year	Harvested Acres	Unit	Value	
				Per Unit	Total
Vegetable	1990	670	ACRE	\$3,100.00	\$ 2,077,000
	1989	341	ACRE	2,870.00	979,000
Other (1)	1990	3,100			\$ 1,693,000
	1989	2,500			1,072,000
Total	1990	3,100			\$ 3,770,000
	1989	2,840			2,051,000

(1) Includes Beans, Oats



NURSERY PRODUCTS

	Year	Production		Unit	Value	
		Field Acres	Quantity Sold		Per Unit	Total
Deciduous Fruit & Nut Trees & Vines	1990	220	3,469,000	PLNT	\$ 3.53	\$ 12,246,000
	1989	270	3,456,000	PLNT	3.15	10,886,000
Ornamental Trees & Shrubs	1990		642,000	PLNT	3.14	2,016,000
	1989		1,177,000	PLNT	2.81	3,307,000
Christmas Trees	1990		6,320	TREE	20.00	126,000
	1989		7,970	TREE	22.50	179,000
Miscellaneous (1)	1990	750		ACRE	5,670.00	4,251,000
	1989	767		ACRE	6,280.00	4,817,000
Total	1990	970				\$ 18,639,000
	1989	1,037				19,189,000

(1) Includes Bedding, Fruit and Vegetable Plants, Cut Decoratives, House Plants, Turf



APIARY PRODUCTS

Year	Production		Unit	Value	
	Total			Per Unit	Total
Beeswax	1990	2,000	LBS	\$.86	\$ 1,720
	1989	2,000	LBS	.85	1,700
Bulk Bees	1990	8,000	LBS	4.20	33,600
	1989	10,000	LBS	4.00	40,000
Honey	1990	29,000	LBS	.42	12,200
	1989	30,000	LBS	.39	11,700
Pollination	1990	156,000	COL	30.00	4,680,000
	1989	145,000	COL	28.00	4,060,000
Queen Bees	1990	5,000	EACH	5.25	26,300
	1989	6,000	EACH	5.00	30,000
Total	1990				\$ 4,754,000
	1989				4,143,000



AQUACULTURE

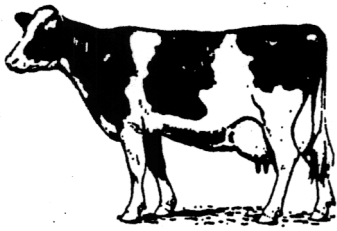
Year	Production		Unit	Value	
	Total			Per Unit	Total
Catfish	1990	97,100	LBS	\$ 1.94	\$ 188,000
Misc.	1990	84,000	LBS	5.00	420,000
Total	1990				\$ 608,000



LIVESTOCK & POULTRY

	Year	Production		Unit	Value	
		Number Of Head	Total Liveweight		Per Unit	Total
Cattle & Calves, All	1990	181,000	933,000	CWT	\$	\$ 62,334,000
	1989	181,000	927,000	CWT		58,941,000
Beef Feeders (1)	1990	93,300	345,000	CWT	86.20	29,739,000
	1989	94,900	350,000	CWT	80.50	28,175,000
Beef Slaughter (2)	1990	47,000	98,300	CWT	65.90	6,478,000
	1989	46,100	98,800	CWT	72.40	7,153,000
Dairy Slaughter	1990	40,600	490,000	CWT	53.30	26,117,000
	1989	39,600	478,000	CWT	49.40	23,613,000
Sheep & Lambs	1990	4,290	4,720	CWT	59.60	281,000
	1989	4,420	4,860	CWT	66.20	322,000
Hogs & Pigs	1990	17,400	25,500	CWT	67.50	1,721,000
	1989	17,400	25,500	CWT	54.90	1,400,000
Chickens, All	1990	208,083,000				125,564,000
	1989	208,255,000				111,140,000
Chickens	1990	48,757,000	232,082,000	LBS	.39	90,512,000
	1989	48,384,000	228,137,000	LBS	.34	77,567,000
Chicks	1990	159,326,000		EACH	.22	35,052,000
	1989	159,871,000		EACH	.21	33,573,000
Turkeys, All	1990	5,741,000				40,825,000
	1989	3,703,000				29,493,000
Turkeys	1990	4,647,000	104,095,000	LBS	.38	39,556,000
	1989	3,215,000	68,769,000	LBS	.42	28,883,000
Poults	1990	1,094,000		EACH	1.16	1,269,000
	1989	488,000		EACH	1.25	610,000
Total	1990					\$230,725,000
	1989					201,296,000

- (1) Includes Feedlot and Transient Feeder Gains, Beef Calves
 (2) Includes Beef Cows and Bulls, Veal Calves



LIVESTOCK & POULTRY PRODUCTS

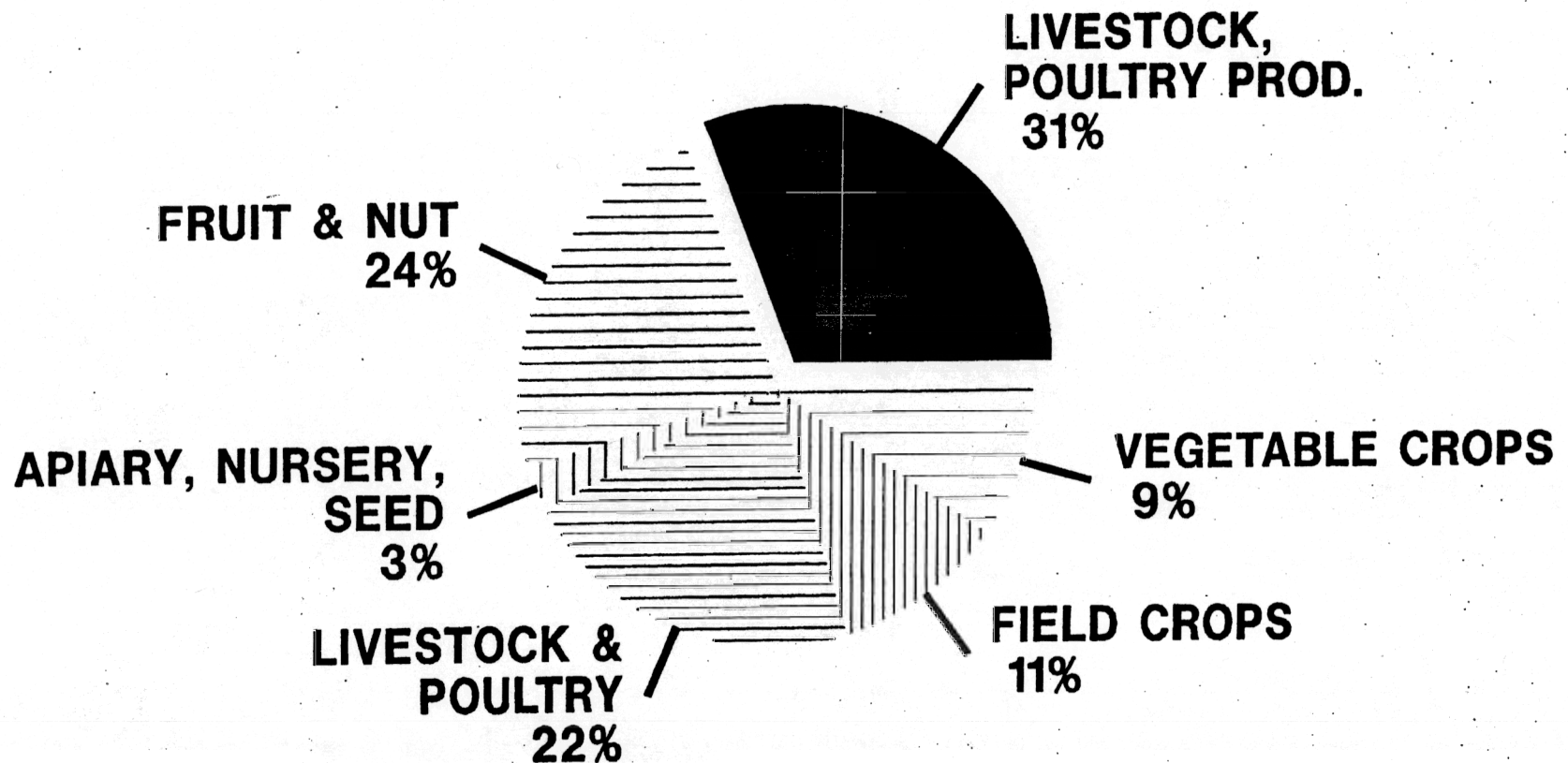
	Year	Production	Unit	Value	
		Total		Per Unit	Total
Milk, All	1990	22,440,000	CWT	\$	\$268,261,000
	1989	21,106,000	CWT		259,552,000
Manufacturing	1990	1,019,000	CWT	11.00	11,209,000
	1989	1,206,000	CWT	11.60	13,990,000
Market	1990	21,421,000	CWT	12.00	257,052,000
	1989	19,900,000	CWT	12.30	245,561,000
Eggs, Chicken All	1990	61,841,000	DOZ		51,236,000
	1989	70,187,000	DOZ		56,173,000
Hatching	1990	10,655,000	DOZ	1.59	16,941,000
	1989	13,184,000	DOZ	1.58	20,831,000
Market	1990	51,186,000	DOZ	.67	34,295,000
	1989	57,003,000	DOZ	.62	35,342,000
Eggs, Turkey Hatching	1990	6,343,000	EACH	.69	4,377,000
	1989	4,409,000	EACH	.70	3,086,000
Wool	1990	28,100	LBS	.83	23,300
	1989	30,600	LBS	1.17	35,800
Total	1990				\$323,897,000
	1989				318,847,000

SUMMARY

<u>Item</u>	<u>Year</u>	<u>Harvested Acreage</u>	<u>Estimated Value</u>
Fruit & Nut Crops	1990	134,000	\$ 249,383,000
	1989	128,000	225,769,000
Field Crops	1990	613,000	111,221,000
	1989	592,000	97,056,000
Vegetable Crops	1990	59,100	95,359,000
	1989	51,900	95,567,000
Seed Crops	1990	3,770	3,770,000
	1989	2,840	2,051,000
Nursery Products	1990	970	18,639,000
	1989	1,040	19,189,000
Apiary Products	1990		4,754,000
	1989		4,143,000
Aquaculture *	1990		608,000
Livestock & Poultry	1990		230,725,000
	1989		201,296,000
Livestock & Poultry Products	1990		323,897,000
	1989		318,847,000
TOTAL	1990	808,000	\$ 1,038,356,000
	1989	776,000	963,891,000

* Reported for the first time in 1990

CATEGORY SUMMARY



STANISLAUS COUNTY 20 LEADING COMMODITIES

1990 Rank	Commodity	Value	1989 Rank
1	Milk, All	\$268,261,000	1
2	Chickens, All	125,564,000	2
3	Almond Meats	109,908,000	3
4	Cattle & Calves, All	62,334,000	4
5	Chicken Eggs, All	51,236,000	5
6	Tomatoes, All	47,782,000	6
7	Turkeys, All	40,825,000	9
8	Walnuts, Inshell	39,289,000	8
9	Peaches, All	33,924,000	7
10	Grapes, Crushed, All	29,813,000	11
11	Alfalfa	27,984,000	12
12	Beans, Dry, All	26,511,000	10
13	Silage, All	25,202,000	14
14	Apricots	16,920,000	15
15	Nursery (Fruits & Nut Trees & Vines)	12,246,000	16
16	Melons, All	12,109,000	13
17	Pasture, Irrigated	11,250,000	17
18	Beans, Green Lima	10,000,000	18
19	Almond Hulls	8,960,000	19
20	Rangeland	5,744,000	20

ANNUAL SUSTAINABLE AGRICULTURE REPORTING

PEST PREVENTION AND MANAGEMENT

The county Pest Detection and Exclusion programs help protect agricultural and urban areas from the establishment of exotic pests. By monitoring possible avenues of infestation, the county agricultural staff can detect and eliminate exotic pest populations before they require large scale costly eradication efforts. In 1990, no serious pests were found.

PEST EXCLUSION

<u>Type of Inspection</u>	<u># of Inspections</u>
Postal/UPS/Trucks	4,035
Railroad/Airport	228
Gypsy Moth	120
<u>Lymantria dispar</u>	

PEST DETECTION

<u>Pest</u>		<u># of Traps</u>
Medfly	<u>Ceratitus capitata</u>	640
Oriental Fruit Fly	<u>Dacus dorsalis</u>	77
Melon Fly	<u>Dracus cucurbitae</u>	72
Gypsy Moth	<u>Lymantria dispar</u>	180
Japanese Beetle	<u>Popillia japonica</u>	160
Khapra Beetle	<u>Trogoderma granarium</u>	231
Other Fruit Flies		210
Other Moths		17

BIOLOGICAL CONTROL

Biological control is an important aspect of pest management, permitting sustainable control of pest species without harm to non-target organisms or the environment.

<u>Pest</u>	<u>Agent</u>	<u>Nursery Sites</u>
Puncture Vine	Stem & Seed Weevil	4
<u>Tribulus terrestris</u>	<u>Microlarinus lareynii</u>	
	<u>Microlarinus lypriformis</u>	
Yellow Star Thistle	Seed Weevil	1
<u>Centarea solstitialis</u>	<u>Bangasternis orientalis</u>	
Ash Whitefly	Parasitic Wasp	1
<u>Siphoninus phillyreae</u>	<u>Encarsia spp.</u>	
Navel Orangeworm	Parasitic Wasp	1
<u>Amyelois transitella</u>	<u>Boniozus lechneri</u>	

PESTICIDE REGULATION

The county agricultural staff works to protect the environment, assure field worker safety and ensure the proper, safe and efficient use of pesticides by controlling and monitoring their use. In 1990, 6799 pesticide permits and 300 pest control licenses were issued. Each pesticide user is subject to inspection of his or her operations, records and equipment and each must submit reports of every pesticide application made. Crops may be sampled at harvest to detect illegal pesticide residues. No illegal residues were found at harvest in 1990.

PESTICIDE ENFORCEMENT ACTIONS

Use Reports Reviewed	18,670
Use Inspections	1,233
Record and Equipment Inspections	806
Post Application Field Worker Safety Inspections	60

PESTICIDE RESIDUE MONITORING

<u>Crop</u>	<u># Samples</u>
Almonds	44
Apples	5
Apricots	12
Beans, dry	33
Beans, lima	12
Grapes	10
Peaches	10
Tomatoes	10
Other	3

SOIL CONSERVATION PROGRAMS

On-going programs in Stanislaus County:

Permanent vegetable cover improvement (Brushing)
Grazing land protection (livestock wells, spring, dams)
Cropland protective cover (sloping land only)
No-till systems (not to exceed \$10.00 per acre)
Water impoundment reservoirs (must have water rights)
Irrigation water conservation (returns, pipelines, sprinkler main lines)
Sediment retention, erosion, or water control structures
Animal waste control facilities (established dairies only)

ORGANIC FARMING STATISTICS

<u>Year</u>	<u>Crop</u>	<u># of Farms</u>	<u>Estimated Acres</u>
90	Alfalfa	1	20
90	Walnuts	2	10
	TOTAL	2	30

TEN YEAR SUMMARY IN THOUSANDS OF DOLLARS

	1981	1982	1983	1984	1985	1986	1987	1988	1989	
Fruit & Nut Crops	\$177,259	\$173,461	\$120,770	\$177,040	\$173,285	\$163,053	\$256,544	\$259,218	\$225,874	\$249,383
Field Crops	95,731	82,943	87,978	89,441	82,304	72,173	81,692	98,054	96,945	111,221
Vegetable Crops	40,678	41,401	43,038	47,049	50,441	63,190	51,965	79,249	95,594	95,359
Seed Crops	4,080	2,395	1,625	1,255	2,994	1,853	1,801	1,571	2,051	3,770
Nursery Products	16,333	13,249	18,021	12,763	13,227	13,326	17,062	19,696	19,189	18,639
Apiary Products	4,227	4,226	3,531	3,759	3,969	3,894	3,845	4,042	4,143	4,754
Aquaculture										608
Livestock & Poultry	166,001	150,504	167,411	171,133	177,578	195,856	190,033	182,848	201,296	230,725
Livestock & Poultry Products	276,876	275,458	278,366	292,183	283,374	277,419	278,364	269,065	318,055	323,897