

SOLANO COUNTY
CROP AND LIVESTOCK REPORT
2003

SUSAN COHEN
Agricultural Commissioner
Sealer of Weights & Measures



DEPARTMENT OF AGRICULTURE

Agricultural Commissioner/Weights & Measures
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TO: A.G. Kawamura, Secretary, California Department of Food and Agriculture

CC: The Honorable Board of Supervisors of Solano County

John F. Silva, District 2, Chairman
Barbara Kondylis, District 1, Vice Chairwoman
Duane Kromm, District 3
John M. Vasquez, District 4
Ruth Forney, District 5

CC: Michael D. Johnson, County Administrative Officer

I am pleased to present the year 2003 Crop and Livestock Report which provides detailed statistical data on the acreage, production, and gross values for all agricultural commodities produced within Solano County. Net farm income is not reflected as this report only shows gross values for agricultural production; the costs of production, harvesting, shipping, marketing, etc., are not reflected in the Crop and Livestock Report.

The basic data presented includes production (yield per acre), crop prices (price/unit produced), acreage, and the total gross value for each commodity.

2003 values were the highest ever in Solano County, for a total of \$ 214,122,800, an increase of 7.3% over the prior year. Agriculture continues to be a significant influence on the local economy, taking place on over 60% of the land within Solano County.

The Crop and Livestock Report for the year 2003 shows 24 crops with gross values exceeding one million dollars. Nursery stock continues as the #1 commodity produced in Solano County with a 9% increase. Field Crops values were down 8%, despite an increase in the acreage of sudangrass. Vegetable Crops (processing tomatoes, bell peppers, Belgian endive, etc.) showed a decrease of 4%, mostly due to the reduction in tomato acreage. Fruit and Nut Crops increased overall by 2% but with fewer acres of grapes and increased production acreage of almonds and walnuts. Livestock and their products showed a 37% increase in total value due to higher livestock prices and dairy increases. Seed Crop acreage increased by 8% and certified sunflower seed was added to the million dollar crop list.

The crop report reflects the hard work and dedication of the Solano County farmers and ranchers who maintain the businesses and lifestyle to create this bounty – Agriculture. A special thanks to Shirley Tavare, Senior Agricultural Biologist/Inspector, and Lora Hayes, Office Assistant II, for the major effort to gather the data and assemble the report.


Susan Cohen

Solano County Agricultural Commissioner/Sealer of Weights and Measures



**AGRICULTURAL COMMISSIONER/
SEALER OF WEIGHTS AND MEASURES**
Susan Cohen

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WEIGHTS AND MEASURES INSPECTOR TRAINEE**
Joe Wade

OFFICE SUPERVISOR
Nancy Page

OFFICE ASSISTANT II's
Rosalie Brieno
Kathy Gillespie
Lora Hayes

GENERAL INFORMATION

SOLANO COUNTY POPULATION (January 1, 2004 Department of Finance)	416,500
Benicia.....	27,000
Dixon.....	16,350
Fairfield.....	103,600
Rio Vista.....	6,275
Suisun.....	27,400
Vacaville.....	95,100
Vallejo.....	121,100
Unincorporated Area.....	19,700

STATE RANKING

Solano County Rank by Gross Value of Agricultural Production (2002)	30 th
Solano County Rank for Leading Commodities – Gross Values of Production – (2002)	
.....	2 nd - Sheep and Lambs
.....	3 rd - Hay, Sudan
.....	4 th - Corn, Grain
.....	5 th - Hay, Grain

AREA

Total Land Area in California (Acres – 1997)	100,000,000 Acres
California Agricultural Land (Acres – 2002)	27,627,073 Acres
Area of County (Square Miles – Land)	832.3 Sq. Miles
Area of County (Acres – Land)	532,675 Acres
Area of County (Acres – Urban Land)	55,433 Acres
Area of County (Square Miles – Water)	77.7 Sq. Miles
Area of County (Acres – Water)	49,697 Acres

FARM SIZE

Average U.S. Farm Size (Acres – 2002)	441 Acres
Average California Size (Acres – 2002)	347 Acres
Average Size Of Solano Farm (Acres – 1997)	455 Acres

TRANSPORTATION

Solano County Road Miles (Unincorporated Area December 31, 2002)	600 Miles
Solano County Paved Road Miles	463 Miles
Solano County Gravel Road Miles	137 Miles
Number of Solano County Bridges	96
Major Roadways	Interstates: 80, 505, 680, 780
.....	Highways: 12, 29, 37, 84, 113, 220
Railroads	Amtrak, California Northern, Southern Pacific
.....	Pacific

Number of Full-Time Farms in Solano County (1997)	403 Farms
Total Secured Assessed Value (2003-2004)	\$29,275,220,004
Farming Districts	Delta, Dixon Ridge, Elmira, Green
.....	Valley, Jepson Prairie, Vaca/Lagoon
.....	Valley, Maine Prairie, Montezuma Hills,
.....	Pleasants Valley, Suisun Valley, Winters

Facilities	Travis Air Force Base, University of
.....	California at Davis, California Maritime
.....	Academy, Nut Tree Airport

GRAND TOTAL OF ALL AGRICULTURAL PRODUCTS

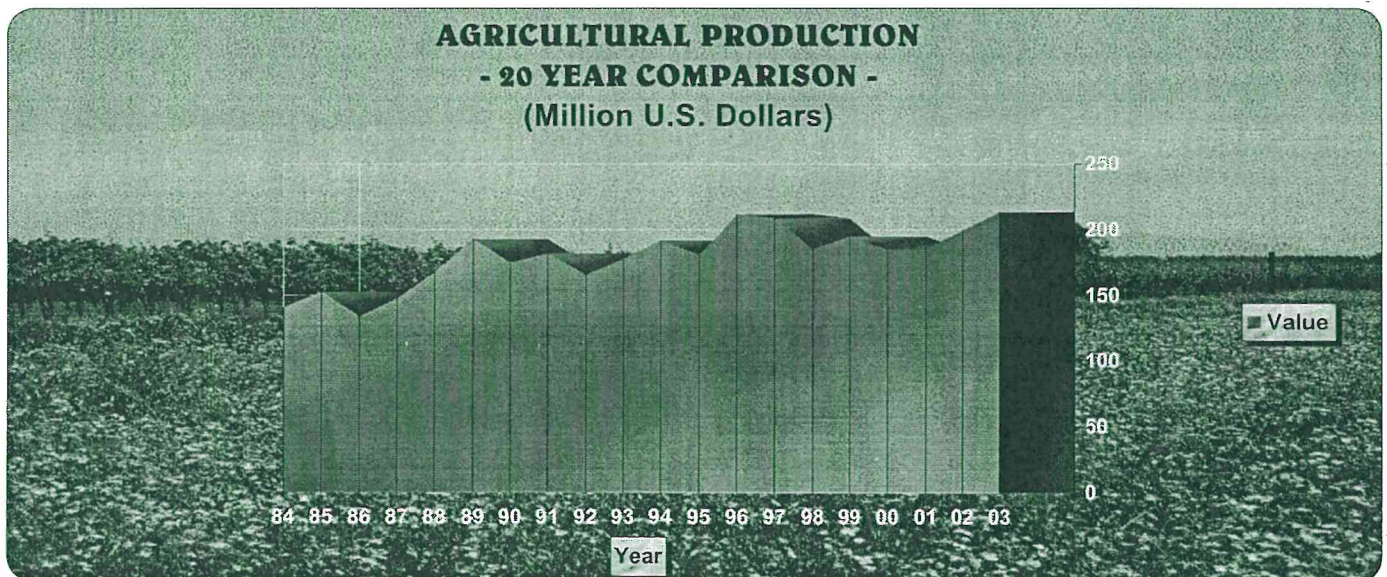
~ (U.S. DOLLARS) ~

2003 \$214,122,800
2002 \$199,485,500

VALUE SUMMARY

<u>YEAR</u>	<u>FIELD CROPS</u>	<u>NURSERY</u>	<u>FRUIT & NUT CROPS</u>	<u>SEED CROPS</u>	<u>VEGETABLE CROPS</u>	<u>ANIMAL PRODUCTION</u>	<u>YEAR TOTALS</u>
1994	76,853,300	17,344,700	24,293,800	5,934,400	43,054,700	24,446,800	191,927,700
1995	67,045,700	19,715,200	23,975,300	7,658,600	39,935,600	21,876,500	180,206,900
1996	79,077,700	22,347,700	31,591,600	8,674,200	44,472,200	25,467,300	211,630,700
1997	70,032,000	24,078,000	34,585,700	10,594,500	41,007,000	28,843,700	209,140,900
1998	61,301,200	26,408,000	22,998,900	9,318,000	36,775,400	28,377,000	185,178,500
1999	55,959,800	28,978,000	29,578,400	7,987,200	44,285,400	28,693,700	195,482,500
2000	47,493,400	35,044,700	29,801,800	5,075,100	33,893,900	34,265,500	185,574,400
2001	48,209,300	37,668,100	26,634,100	4,897,700	33,079,600	35,181,700	185,670,500
2002	47,901,800	38,781,200	25,974,800	5,739,700	37,155,000	43,933,000	199,485,500
2003	43,945,500	42,373,400	26,518,000	5,326,600	35,663,700	60,295,600	214,122,800

AGRICULTURAL PRODUCTION - 20 YEAR COMPARISON - (Million U.S. Dollars)



MILLION DOLLAR CROPS

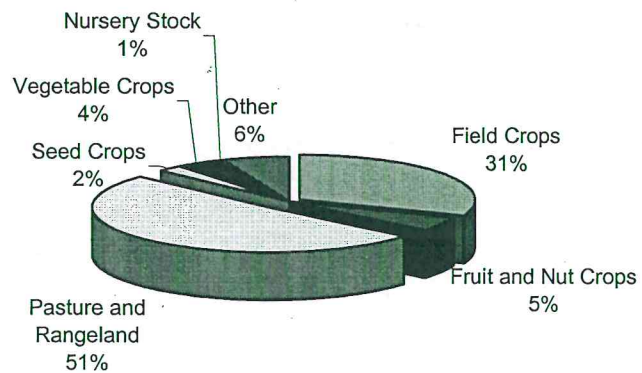
~ U.S. DOLLARS ~

		RANKING	
		2003	2002
NURSERY STOCK	\$42,373,400.00	1	1
CATTLE & CALVES	30,893,700.00	2	3
TOMATOES, PROCESSING	20,216,600.00	3	2
ALFALFA	19,670,600.00	4	4
FEEDER LAMBS	10,620,500.00	5	6
GRAPES, WINE	10,006,700.00	6	5
MILK, MARKET	9,050,100.00	7	10
WALNUTS	6,014,500.00	8	8
DAIRY COWS	5,383,500.00	9	11
WHEAT, IRRIGATED	4,723,400.00	10	7
CORN, FIELD	3,447,500.00	11	9
ALMONDS	3,299,000.00	12	17
SUDANGRASS	3,253,500.00	13	15
SAFFLOWER, OIL	2,507,900.00	14	24
PASTURE, RANGELAND	2,391,000.00	15	12
STOCK SHEEP	2,249,100.00	16	13
WHEAT, DRYLAND	2,130,600.00	17	16
SUNFLOWER SEED, CERTIFIED	2,034,200.00	18	-
PEARS	1,743,700.00	19	22
BELL PEPPERS	1,729,400.00	20	19
PRUNES	1,511,900.00	21	22
RYEGRASS	1,385,800.00	22	21
BEANS, EDIBLE DRY	1,339,200.00	23	14
PASTURE, IRRIGATED	1,233,200.00	24	18
SORGHUM / MILO	-	-	20

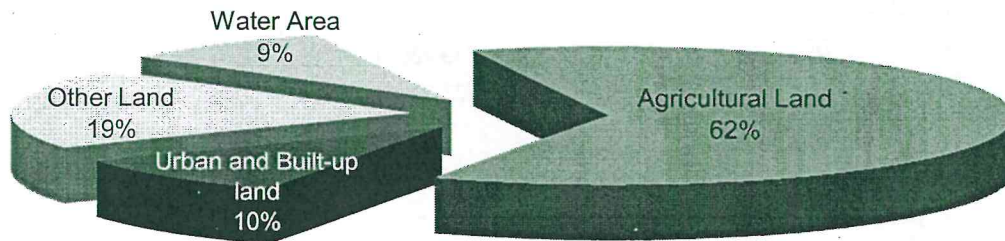
DISTRIBUTION OF FARM AND RANCH ACREAGE

	<u>2003</u>	<u>2002</u>
FIELD CROPS	106,163	125,773
FRUIT & NUT CROPS*	18,299	18,793
PASTURE LANDS	175,414	174,730
SEED CROPS	8,011	7,411
VEGETABLE CROPS	13,658	16,365
NURSERY STOCK	1,573	1,035
OTHER**	21,000	-
TOTALS	344,118	344,107

Agricultural Acreage Distribution



Land Use Categories***



* Includes non-bearing acreage.

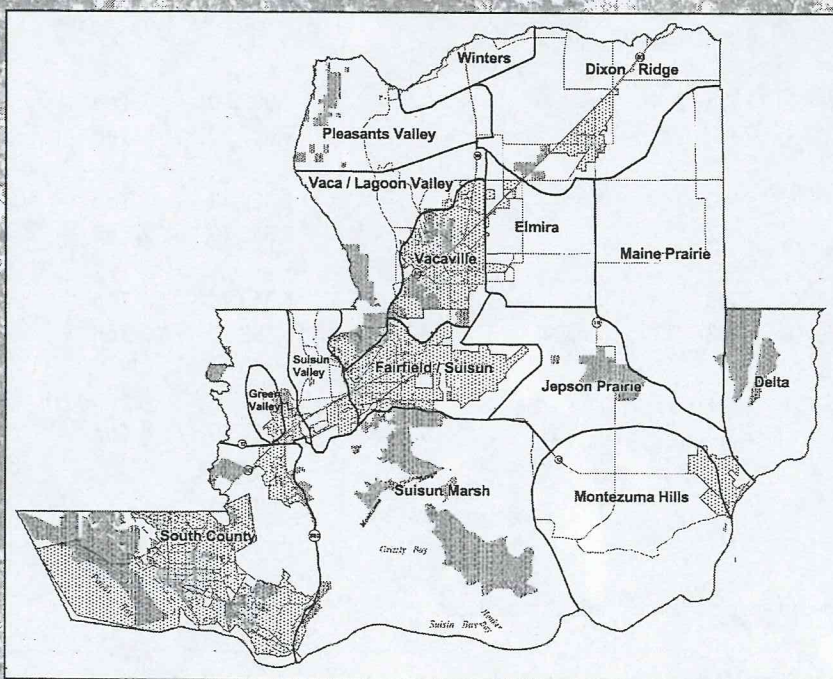
** Fallow and land use variations.

*** Department of Conservation 2000-2002 Farmland Conversion Report

ACREAGE 2003

~ FRUIT AND NUT CROPS ~

	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
ALMONDS	1,997	109	2,106
APPLES	151	0	151
APRICOTS	200	4	204
CHERRIES	84	2	86
FIGS	2	0	2
GRAPES (WINE)	4,075	224	4,299
KIWI	25	1	26
NECTARINES	11	0	11
OLIVES	9	60	69
ORANGES	26	0	26
PEACHES (FREESTONE)	295	5	300
PEARS (BARTLETT)	963	93	1,056
(OTHERS)	40	71	111
PECANS	3	0	3
PLUOTS	0	9	9
PERSIMMONS	6	0	6
PISTACHIO NUTS	18	0	18
PLUMS	22	0	22
PRUNES	1,896	91	1,987
TANGERINES	13	0	13
WALNUTS (ENGLISH)	7,142	627	7,769
(BLACK)	25	0	25
TOTALS	17,003	1,296	18,299



ACREAGE, PRODUCTION AND VALUE

~ FRUIT AND NUT CROPS ~

CROP	YEAR	BEARING ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL VALUE
ALMONDS							
MEATS	2003	-	-	1208.87	Ton	2,664	3,220,400
	2002	-	-	793.70	Ton	1,937	1,537,400
HULLS	2003	-	-	1511.09	Ton	52	78,600
	2002	-	-	992.10	Ton	40	39,700
TOTAL ALMONDS	2003	1,997	0.605	1208.87	Ton	-	3,299,000
	2002	1,714	0.463	793.70	Ton	-	1,577,100
APRICOTS							
DRIED (6.0:1)*	2003	-	-	-	-	-	-
	2002	-	-	3.58	Ton	7,760	27,800
FRESH MARKET	2003	-	-	-	-	-	-
	2002	-	-	29.40	Ton	1,638	48,200
TOTAL APRICOTS	2003	200	0.350	70.00	Ton	1,079	75,500
	2002	200	0.254	50.90	Ton	-	76,000
CHERRIES							
FRESH MARKET	2003	84	1.458	122.46	Ton	1,712	209,700
	2002	84	2.100	176.40	Ton	1,265	223,100
GRAPES, WINES**							
DARK VARIETIES	2003	-	-	7,009.50	Ton	696	4,878,600
	2002	-	-	7,545.50	Ton	949	7,160,700
WHITE VARIETIES	2003	-	-	8,050.40	Ton	637	5,128,100
	2002	-	-	8,645.40	Ton	701	6,060,400
TOTAL GRAPES	2003	4,075	3.696	15,059.90	Ton	-	10,006,700
	2002	4,300	3.765	16,190.90	Ton	-	13,221,100
KIWI ***							
KIWI ***	2003	-	-	-	-	-	-
	2002	26	6.000	156.00	Ton	1,000	156,000

* Drying Ratio. Data not published to avoid disclosure of individual producer.

** Price Varies By Variety

*** 2003 Kiwi is included in Misc. Fruits and Nuts

ACREAGE, PRODUCTION AND VALUE

~ FRUIT AND NUT (Cont'd) ~

CROP	YEAR	BEARING ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL VALUE
PEACHES							
FREESTONE	2003	-	-	-	-	-	-
DRIED (6.9:1)*	2002	-	-	29.0	Ton	3,100	89,900
FRESH MARKET	2003	-	-	-	-	-	-
	2002	-	-	12.5	Ton	2,665	33,300
TOTAL PEACHES	2003	295	1.631	481.2	Ton	415	199,700
	2002	295	0.721	212.6	Ton	-	123,200
PEARS							
CANNED #1	2003	-	-	-	-	-	-
	2002	-	-	2,532.0	Ton	230	582,400
DRIED (6.8:1)*	2003	-	-	-	-	-	-
	2002	-	-	27.0	Ton	3,000	81,000
JUICE & FERMENTATION	2003	-	-	-	-	-	-
	2002	-	-	268.0	Ton	30	8,000
PROCESSING	2003	-	-	3,451.6	Ton	210	724,800
	2002	-	-	-	-	-	-
FRESH MARKET**	2003	-	-	4,569.0	Ton	223	1,018,900
	2002	-	-	2,510.0	Ton	230	577,300
TOTAL PEARS	2003	963	8.329	8,020.6	Ton	-	1,743,700
	2002	965	5.693	5,494.0	Ton	-	1,248,700
PRUNES	2003	1,896	1.192	2,260.0	Ton	669	1,511,900
	2002	1,900	0.865	1,643.0	Ton	760	1,248,700
WALNUTS	2003	7,142	0.779	5,569.0	Ton	1,080	6,014,500
	2002	6,898	0.772	5,332.0	Ton	1,084	5,779,900
MISC. FRUITS & NUTS ***	2003	577	-	-	-	-	3,457,300
	2002	392	-	-	-	-	2,321,000
TOTAL FRUIT & NUT CROPS	2003	17,229					\$ 26,518,000
	2002	16,774					\$ 25,974,800

* Drying Ratio

** Includes Bartletts and other pears

*** Misc. Fruits and Nuts include Apples, Kiwi, Lemons, Mandarins, Olives, Oranges, Persimmons, Pistachios, Plums, Pomegranates, Strawberries, etc.

ACREAGE, PRODUCTION AND VALUE

~ FIELD CROPS ~

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL VALUE
BARLEY							
IRRIGATED	2003	1,082	1.25	1,353	Ton	110.00	148,800
	2002	4,510	1.76	7,938	Ton	96.00	762,000
DRYLAND	2003	1,189	1.17	1,391	Ton	110.00	153,000
	2002	3,078	1.11	3,417	Ton	96.00	328,000
BEANS, DRY							
EDIBLE, ALL CLASSES*	2003	1,859	1.24	2,305	Ton	581.00	1,339,200
	2002	3,927	0.83	3,259	Ton	580.00	1,890,200
CORN, FIELD							
	2003	7,406	4.90	36,289	Ton	95.00	3,447,500
	2002	10,900	5.30	57,770	Ton	94.00	5,430,400
HAY							
ALFALFA	2003	34,602	6.46	223,529	Ton	88.00	19,670,600
	2002	36,492	5.84	213,113	Ton	92.00	19,606,400
GRAIN	2003	2,004	3.46	6,934	Ton	64.00	443,800
	2002	2,509	3.25	8,154	Ton	68.00	554,500
GRASS	2003	2,662	2.71	7,214	Ton	58.00	418,400
	2002	3,500	3.56	12,460	Ton	75.00	934,500
OATS, GRAIN							
	2003	431	2.98	1,284	Ton	87.00	111,700
	2002	1,575	1.50	2,363	Ton	120.00	283,600
PASTURE, IRRIGATED							
	2003	16,016	-	-	Acre	77.00	1,233,200
	2002	15,332	-	-	Acre	100.00	1,533,200
PASTURE, RANGELAND							
	2003	159,398	-	-	Acre	15.00	2,391,000
	2002	159,398	-	-	Acre	15.00	2,391,000
RYEGRASS							
	2003	5,642	3.19	17,998	Ton	77.00	1,385,800
	2002	5,410	3.13	16,933	Ton	75.00	1,270,000
SAFFLOWER, OIL							
	2003	8,246	1.11	9,153	Ton	274.00	2,507,900
	2002	6,017	0.85	5,114	Ton	229.00	1,171,100

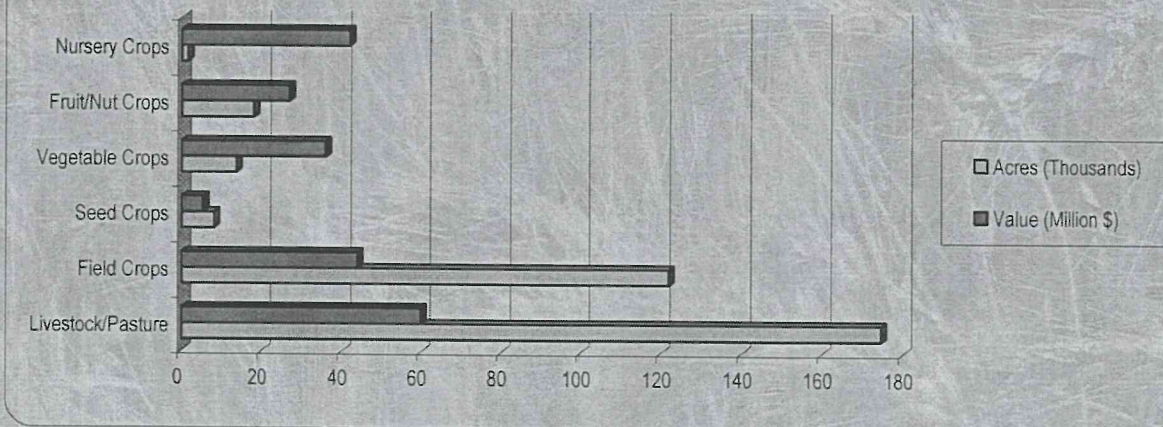
* Value and Yield Vary By Variety

ACREAGE, PRODUCTION AND VALUE

~ FIELD CROPS (Cont'd) ~

CROP	YEAR	HARVESTED		TOTAL	UNIT	PER UNIT	TOTAL VALUE
		ACRES	PER ACRE				
SORGHUM / MILO*	2003	-	-	-	-	-	-
	2002	6,403	2.28	14,599	Ton	99.00	1,445,300
SUDANGRASS	2003	6,242	4.38	27,340	Ton	119.00	3,253,500
	2002	3,853	4.36	16,799	Ton	102.00	1,713,500
WHEAT IRRIGATED	2003	20,920	2.13	44,560	Ton	106.00	4,723,400
	2002	26,310	2.26	59,461	Ton	99.00	5,886,600
DRYLAND	2003	12,036	1.67	20,100	Ton	106.00	2,130,600
	2002	8,206	1.97	16,166	Ton	99.00	1,600,400
MISC. FIELD CROPS**	2003	1,842	-	-	-	-	587,100
	2002	3,083	-	-	-	-	1,101,100
TOTAL FIELD CROPS	2003	281,577					\$ 43,945,500
	2002	300,503					\$ 47,901,800

CROP PRODUCTION
(by Major Commodities for 2003)



* 2003 Sorghum/Milo is included in Misc. Field Crops

** Misc. Field Crops include Sorghum/Milo, Silage, Stubble, etc.

PRODUCTS & VALUE

~ LIVESTOCK, POULTRY & APIARY ~

ITEM	YEAR	PRODUCTION	UNIT	UNIT VALUE	TOTAL VALUE	
BEEES						
HONEY	2003	-	-	-	-	
	2002	70,000	Lb.	1.25	87,500	
PACKAGES*	2003	-	-	-	-	
	2002	2,700	Pkg.	31.00	83,700	
POLLINATION**	2003	11,217	Colony	-	248,300	
	2002	6,610	Colony	-	169,800	
QUEENS	2003	-	-	-	-	
	2002	16,000	Each	8.00	128,000	
APIARY PRODUCTS ***	2003	-	-	-	421,300	
	2002	-	-	-	-	
MILK						
MARKET	2003	736,382	Cwt.	12.29	9,050,100	
	2002	308,032	Cwt.	11.93	3,674,800	
MANUFACTURING	2003	1,828	Cwt.	11.82	21,600	
	2002	544	Cwt.	10.96	6,000	
WOOL	2003	381,294	Lb.	0.79	301,200	
	2002	449,952	Lb.	0.56	252,000	
TOTAL LIVESTOCK, POULTRY & APIARY						
					2003	\$ 10,042,500
					2002	\$ 4,401,800

* Packages include 2 lbs. bees plus a queen

** Pollination fee varies by crop. Crops pollinated include Almond, Kiwi, Prune, Sunflower & Vine Seed.

*** Apiary products include bee packages (2 or 3 lb. bees plus a queen), honey and queens.

PRODUCTION & VALUE

~ LIVESTOCK & POULTRY ~

ITEM	YEAR	NUMBER OF HEAD	TOTAL LIVEWEIGHT	UNIT	UNIT VALUE	TOTAL VALUE
CATTLE & CALVES	2003	34,965	419,580	Cwt	73.63	30,893,700
	2002	33,300	399,600	Cwt	63.23	25,266,700
DAIRY COWS	2003	3,654	45,700	Cwt	117.80	5,383,500
	2002	1,800	20,700	Cwt	151.30	3,131,900
HOGS & PIGS	2003	200	400	Cwt	35.70	14,300
	2002	200	400	Cwt	34.20	13,700
STOCK SHEEP	2003	47,903	71,855	Cwt	31.30	2,249,100
	2002	49,385	74,076	Cwt	27.10	2,007,500
FEEDER LAMBS	2003	120,687	120,687	Cwt	88.00	10,620,500
	2002	120,687	120,687	Cwt	69.40	8,375,700
GOATS	2003	494	419	Cwt	95.00	39,800
	2002	494	419	Cwt	90.00	37,700
MISCELLANEOUS*	2003					1,052,200
	2002					698,000
TOTAL LIVESTOCK & POULTRY	2003					\$ 50,253,100
	2002					\$ 39,531,200

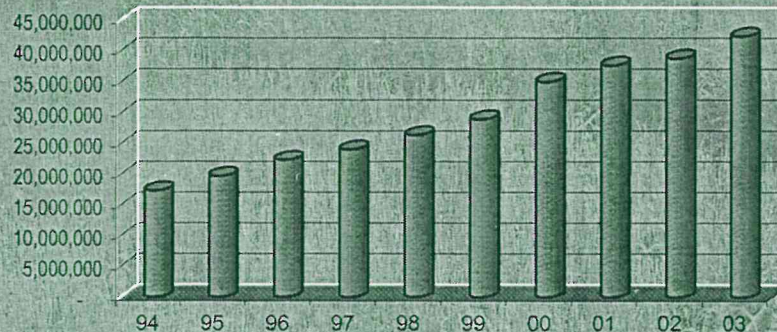
* Miscellaneous includes Fish, Quail, Poultry, etc.

ACREAGE AND VALUE ~ NURSERY STOCK ~

ITEM	YEAR	ACREAGE	AVERAGE VALUE
NURSERY STOCK*	2003	1,573	42,373,400
	2002	1,035	38,781,200
TOTAL NURSERY STOCK	2003	1,573	\$ 42,373,400
	2002	1,035	\$ 38,781,200

* Nursery Stock include cuttings, buds, scions, Christmas trees, flower seed, grass seed, turf, root-stock, greenhouse, ornamental, etc.

**NURSERY STOCK
10 YEAR VALUE SUMMARY
(MILLION U.S. DOLLARS)**



ACREAGE, PRODUCTION AND VALUE

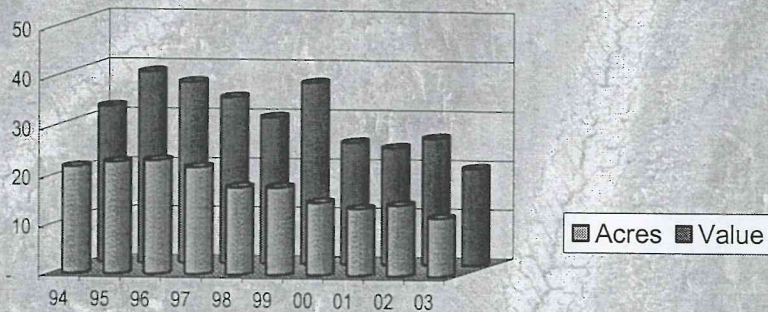
~ VEGETABLE CROPS ~

CROP	YEAR	HARVESTED			UNIT	PER UNIT	TOTAL VALUE
		ACRES	PER ACRE	TOTAL			
TOMATOES, PROCESSING	2003	11,952	34.52	412,583	Ton	49.00	20,216,600
	2002	14,626	37.00	541,162	Ton	48.00	25,975,800
BELL PEPPERS	2003	461	18.30	8,436	Ton	205.00	1,729,400
	2002	419	17.00	7,123	Ton	210.00	1,495,800
MISC. VEGETABLES *	2003	1,245	-	-	-	-	13,717,700
	2002	1,320	-	-	-	-	9,683,400
TOTAL VEGETABLE CROPS	2003	13,658				\$	35,663,700
	2002	16,365				\$	37,155,000

* Misc. Vegetables include Endive, Fresh Tomatoes, Garlic, Mushrooms, Onion, Peppers, Pumpkins, Salad Greens, Sprouts, Squash, Sweet Corn, Tomatillo, Watermelon, etc.

PRODUCTION OF PROCESSING TOMATOES 10 YEAR VALUE SUMMARY

(Acres in Thousands vs. Value in Millions of U.S. Dollars)



ACREAGE, PRODUCTION AND VALUE

~ SEED CROPS ~

CROP	YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL VALUE
BEANS, DRY							
ALL MARKET CLASSES*	2003	588	1.21	712	Ton	575.00	409,400
	2002	1,478	0.88	1,301	Ton	740.00	962,700
ALL MARKET CLASSES, CERTIFIED	2003	571	.80	459	Ton	592.00	271,700
	2002	733	1.00	733	Ton	740.00	542,400
TOTAL BEANS, DRY	2003	1,159	-	-	-	-	681,100
	2002	2,211	-	-	-	-	1,505,100
CANTALOUPE							
	2003	-	-	-	-	-	-
	2002	4	300.00	1,200	Lb.	2.50	3,000
CUCUMBER							
	2003	277	300.00	83,100	Lb.	5.23	434,600
	2002	197	250.00	49,250	Lb.	5.74	282,700
SQUASH							
	2003	320	386.00	123,520	Lb.	4.85	599,100
	2002	109	423.00	46,107	Lb.	5.30	244,400
SUNFLOWER, CERTIFIED							
	2003	2,474	.75	1,856	Ton	1,096.00	2,034,200
	2002	1,246	.54	673	Ton	1,080.00	726,800
WATERMELON							
	2003	624	318.00	198,432	Lb.	3.12	619,100
	2002	279	301.00	83,979	Lb.	3.11	261,200
CERTIFIED							
	2003	-	-	-	-	-	-
	2002	45	395.00	17,775	Lb.	3.70	65,800
TOTAL WATERMELON	2003	624	-	-	-	-	619,100
	2002	324	-	-	-	-	327,000
WHEAT, CERTIFIED							
	2003	1,633	2.00	3,266	Ton	100.00	326,600
	2002	696	2.50	1,740	Ton	100.00	174,000
MISC. SEED**							
	2003	1,524	-	-	-	-	631,900
	2002	2,624	-	-	-	-	2,476,700
TOTAL SEED CROPS							
	2003	8,011				\$	5,326,600
	2002	7,411				\$	5,739,700

* Yield and Value Vary By Variety

** Misc. Seed include Melon, Onion, Pepper, Pumpkin, Safflower, Sudangrass, Sunflower, and Tomato.

SUSTAINABLE AGRICULTURE REPORT

COUNTY BIOLOGICAL CONTROL

PEST	BIOCONTROL AGENT	SCOPE OF PROGRAM
Yellow Star Thistle (<i>Centaurea solstitialis</i>)	Bud Weevil (<i>Bangasternus orientalis</i>)	9 Sites
	Flower Weevil (<i>Larinus curtus</i>)	2 Sites
	Hairy Weevil (<i>Eustenopus villosus</i>)	4 Sites
	Gall Fly (<i>Urophora sirunaseva</i>)	2 Sites
Purple Star Thistle (<i>Centaurea calcitrapa</i>)	Weevil (<i>Larinus minutus</i>)	2 Sites
	Seed Head Fly (<i>Terrelia Sp.</i>)	
Red Gum Lerp Psyllid (<i>Glycaspis brimblecombei</i>)	Parasitic Wasp (<i>Psyllaephagus bliteus</i>)	1 Site
Klamath Weed (<i>Hypericum perforatum</i>)	Beetle (<i>Crysolina quadragemina</i>)	1 Site

PEST EXCLUSION / PEST DETECTION

INSPECTED	NUMBER OF INSPECTIONS
Gypsy Moth (<i>Lymantria dispar</i>)	Outdoor household goods 32 Shipments
Exotic Pests	Incoming packages, plant shipments, trucks, seed, etc. 3,629 Inspections
	Raw agricultural (plant) products 1,333 Phytosanitary Origin Certificates issued
Apple Maggot, Glassy-Winged Sharpshooter, Gypsy Moth, Japanese Beetle, Khapra Beetle, Mediterranean Fruit Fly, Melon Fly, Olive Fruit Fly, Oriental Fruit Fly	1,850 pest detection traps 25,468 Inspections
Seed for Export	3,223 acres seed crops

ORGANIC FARMING STATISTICS

FARMS	PRODUCTS	ACRES
24	Various Fruits & Vegetables	Approximately 1,965

(Almonds, Apples, Apricots, Barley, Beans, Cherries, Cut Flowers, Edible Flowers, Eggplant, Endive, Herbs, Kiwi, Mandarins,
Melons, Micro Greens, Okra, Olives, Peaches, Persimmons, Plums, Tomatoes, Walnuts, Wheat, etc.)