

SOLANO COUNTY 2006



Crop & Livestock Report



Jearl D. Howard
Agricultural Commissioner
Sealer of Weights and Measures



DEPARTMENT OF AGRICULTURE

Agricultural Commissioner/Weights and Measures
501 Texas Street Fairfield, CA 94533
Phone (707) 784-1310 Fax (707) 784-1330

To: A.G. Kawamura, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Solano, California

Pursuant to the provisions of Sections 2279 and 2272 of the California Food and Agricultural Code, I am pleased to present the Solano County Crop and Livestock Report for 2006. Also included is the 2006 Sustainable Agriculture Report.

The gross value of Solano County's agricultural production for 2006 was \$233,505,000, which represents a decrease of \$5,184,600 from the 2005 record-setting production estimate. This represents a 2.2% decline from the 2005 production estimates and can be attributed to three weather-related events that occurred during the year; New Year's floods, late spring rains, and record summer heat. It must be emphasized that this report does not reflect the total contribution agriculture makes to the economy of Solano County. Transportation, processing, marketing and other farm-related services significantly multiply these values to the benefit of the local economy.

Solano County farmers and ranchers produced approximately 80 different crops and commodities in 2006. Twenty-three of those crops exceeded \$1,000,000 in value, two more than the previous year. Nursery stock retained its number one ranking with a value of \$47,856,000, followed by cattle and calves at \$25,145,500 and alfalfa at \$23,319,100. Processing tomatoes, walnuts, milk, wine grapes, almonds, prunes, and sheep and lambs rounded out the top ten crops for 2006.

I would like to express my sincere appreciation to all of the farmers, ranchers, boards, commissions, and agencies who contributed vital data without which this report would not be possible. Special recognition is given to Shirley Tavare and Ann McKay of my staff for their dedication to compiling and producing the 2006 Solano County Crop and Livestock Report.

For additional copies of this report, our 2006 summary crop report, or to learn more about the services provided and programs of the Solano County Department of Agriculture and Weights and Measures, visit our website at www.solanocounty.com/ag.

Respectfully submitted,

Jearl D. Howard
Agricultural Commissioner/Sealer of Weights and Measures

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GENERAL INFORMATION

SOLANO COUNTY POPULATION = 424,823 (January 1, 2007 Department of Finance)

Benicia 27,916	Dixon 17,644	Fairfield 105,421	Rio Vista 7,823
Suisun 27,980	Vacaville 96,489	Vallejo 121,425	Unincorporated 20,125

SOLANO COUNTY STATE RANKING

By Gross Value of Agricultural Production = 30th (2005)
For Leading Commodities - Gross Values of Production 2005:

2nd **Hay, Sudan**
4th **Grain Hay**
5th **Corn, Grain**
5th **Sheep & Lambs**

AREA		FARM SIZE	
California Total Land Area 2002 (Acres)	99,813,971	Average US Size (Acres 2006)	446
California Agricultural Land 2006 (Acres)	26,300,000	Average California Size (Acres 2006)	346
County (Square Miles - Land)	829.20	Average Solano County (Acres 2002)	384
County (Acres - Land)	532,623		
County (Acres - Urban & Built-up Land 2006)	58,628	NUMBER OF FULL-TIME FARMS IN SOLANO COUNTY	
County (Square Miles - Water)	77.70	(Year 2002)	558
County (Acres - Water)	49,749	TOTAL SECURED ASSESSED PROPERTY VALUE	
		(2006-2007)	\$43,159,276,375

SOLANO COUNTY FARMING DISTRICTS

Delta	Jepson Prairie	Pleasants Valley
Dixon Ridge	Vaca/Lagoon Valley	Suisun Valley
Elmira	Maine Prairie	Winters
Green Valley	Montezuma Hills	

SOLANO COUNTY TRANSPORTATION

Total Road Miles = 587 (Unincorporated Area - December 2006)

Paved Road Miles	469
Gravel Road Mile	118

BRIDGES

94

MAJOR ROADWAYS

Interstates 80, 505, 680, 780
Hwys 12, 29, 37, 84, 113, 220

RAILROADS

Amtrak, California
Northern, Southern Pacific

SOLANO COUNTY FACILITIES

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

GRAND TOTAL OF ALL AGRICULTURAL PRODUCTS (US DOLLARS)

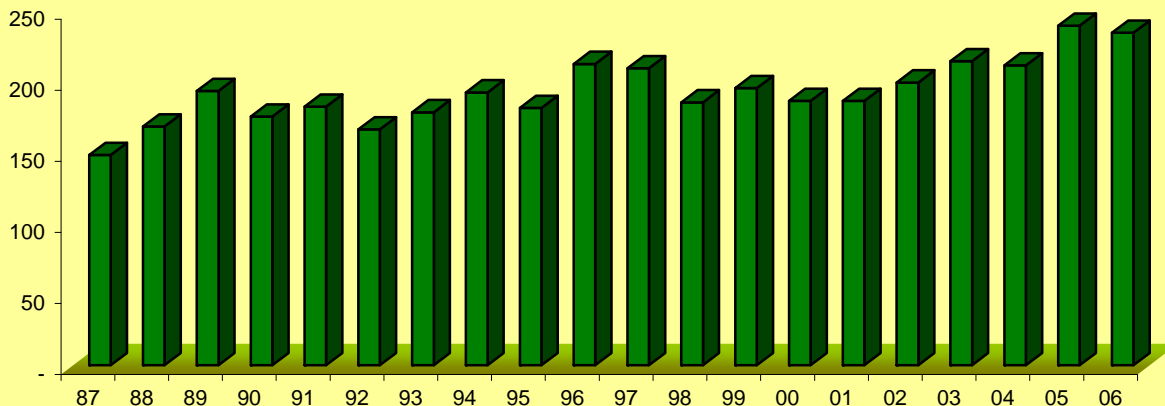
2006 \$233,505,000
2005 \$238,689,600

VALUE SUMMARY

YEAR	FIELD CROPS	NURSERY	FRUIT & NUT CROPS	SEED CROPS	VEGETABLE CROPS	ANIMAL PRODUCTION	YEAR TOTALS
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
2004	50,423,200	43,645,000	*29,285,900	7,114,600	36,903,400	45,207,100	*211,229,900
2005	52,812,700	50,018,000	37,918,500	10,533,500	36,505,000	50,901,900	238,689,600
2006	46,945,500	47,856,000	39,964,300	9,987,600	40,899,400	47,852,200	\$233,505,000

*Revised 2004 Figure

Agricultural Production 20-Year Comparison (Million US Dollars)



**MILLION DOLLAR CROPS
(US DOLLARS)**

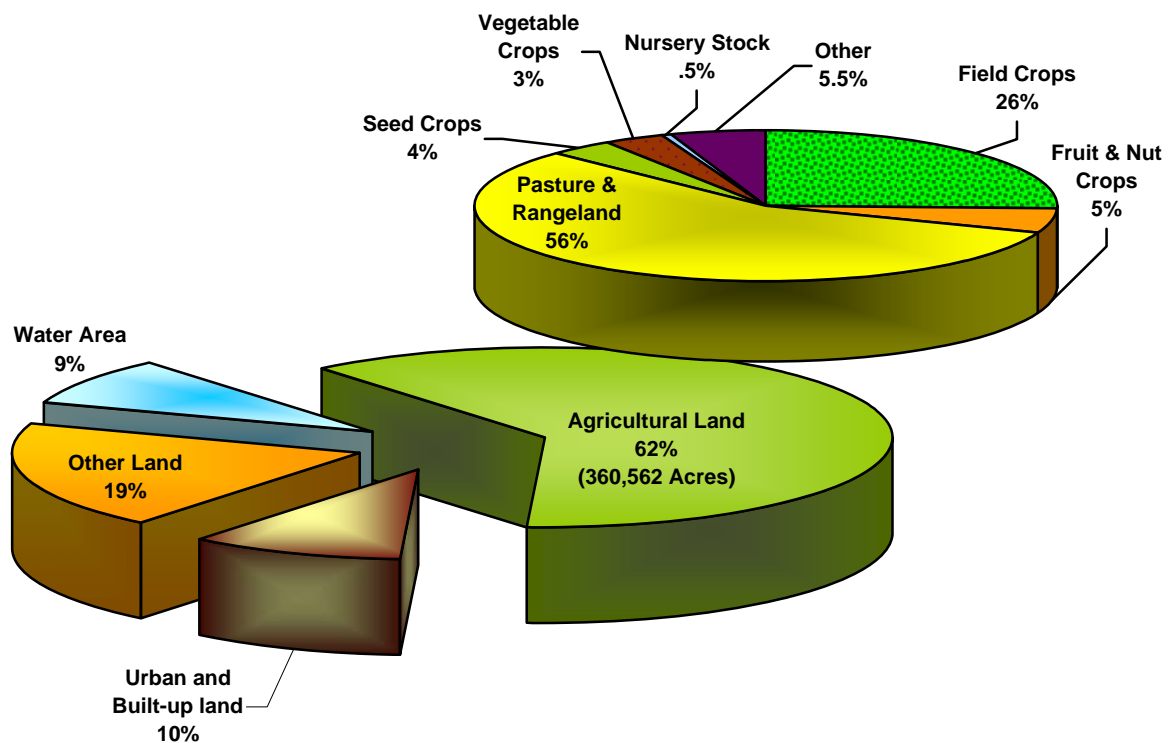
		RANKING	
		2006	2005
NURSERY STOCK	\$47,856,000.00	1	1
CATTLE & CALVES	25,143,500.00	2	2
ALFALFA	23,319,100.00	3	3
TOMATOES, PROCESSING	20,800,400.00	4	4
WALNUTS	18,116,900.00	5	5
MILK, MARKET	10,473,400.00	6	6
GRAPES, WINE	9,301,400.00	7	7
ALMONDS	5,279,200.00	8	9
PRUNES (DRIED PLUMS)	4,541,500.00	9	18
SHEEP & LAMBS	4,244,600.00	10	10
SUDANGRASS	4,069,500.00	11	11
SUNFLOWER SEED, CERTIFIED	3,142,000.00	12	8
PASTURE, RANGELAND	2,909,200.00	13	13
PASTURE, IRRIGATED	2,757,800.00	14	16
WHEAT, DRYLAND	2,675,600.00	15	15
BELL PEPPERS	2,586,700.00	16	17
WHEAT, IRRIGATED	2,474,900.00	17	14
SUNFLOWER SEED	2,430,400.00	18	-
BEANS, EDIBLE DRY	2,278,400.00	19	20
CORN, FIELD	1,456,900.00	20	12
SAFFLOWER OIL	1,420,200.00	21	21
RYEGRASS	1,380,900.00	22	19
POLLINATION	1,031,400.00	23	-

DISTRIBUTION OF FARM ACREAGE

	2006	2005
FIELD CROPS	92,155	101,927
FRUIT & NUT CROPS ¹	19,072	18,659
PASTURE & RANGELAND	202,826	201,303
SEED CROPS	13,283	10,055
VEGETABLE CROPS	12,236	12,376
NURSERY STOCK	1,827	1,533
OTHER ²	19,163	16,323
TOTALS	360,562	362,176

Land Use Categories

Department of Conservation 2004-2006 Land Use Conversion Report



¹Includes Non-Bearing Acreage

²Includes Fallow, Cover Crops Not Harvested, Land Temporarily out of Production, etc.

ACREAGE 2006

Fruit and Nut Crops

	Bearing Acreage	Non-Bearing Acreage	Total Acreage
ALMONDS	2,106	949	3,055
APPLES	150	1	151
APRICOTS	153	0	153
CHERRIES	85	12	97
FIGS	2	0	2
GRAPES (WINE)	4,260	210	4,470
KIWI	26	0	26
NECTARINES	11	0	11
OLIVES	58	24	82
ORANGES	26	0	26
PEACHES (Freestone)	138	12	150
PEARS (Bartlett)	746	82	828
PEARS (Others)	96	15	111
PECANS	3	0	3
PLUOTS	0	9	9
PERSIMMONS	10	0	10
PISTACHIO NUTS	18	0	18
PLUMS	20	0	20
PRUNES	1,326	0	1,326
TANGARINES	11	0	11
WALNUTS (English)	7,379	1,109	8,488
WALNUTS (Black)	25	0	25
TOTALS	16,649	2,423	19,072



ACREAGE, PRODUCTION & VALUE

Fruit and Nut Crops

CROP	YEAR	BEARING ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL VALUE	
ALMONDS ¹	2006	2,106	0.61	1,282.60	Ton	4,116	5,279,200	
	Meats	2005	2,066	0.47	979.05	Ton	5,375	5,262,400
CHERRIES	2006	85	1.08	91.80	Ton	2,909	267,000	
	Fresh Market	2005	-	-	-	-	-	
GRAPES, WINES ²	Dark Varieties	2006	-	-	5,956.30	Ton	839	4,997,300
		2005	-	-	7,015.80	Ton	816	5,724,900
	White Varieties	2006	-	-	6,443.30	Ton	668	4,304,100
		2005	-	-	9,065.40	Ton	660	5,983,200
	TOTAL ³	2006	4,293	2.89	12,399.60	Ton	-	9,301,400
		2005	4,291	3.75	16,081.20	Ton	-	11,708,100
PEACHES ^{3 & 6}	2006	138	1.39	191.82	Ton	588	112,800	
	2005	137	1.88	257.60	Ton	906	233,400	
PEARS ⁴	2006	-	-	-	-	-	-	
	2005	527	4.41	2,324.10	Ton	198	460,200	
PRUNES ¹ (Dried Plums)	2006	1,326	2.66	3,526.00	Ton	1,288	4,541,500	
	2005	1,331	1.01	1,344.00	Ton	1,400	1,881,600	
WALNUTS	2006	7,379	1.55	11,437.45	Ton	1,584	18,116,900	
	2005	7,142	1.53	10,927.30	Ton	1,507	16,467,400	
MISC FRUITS & NUTS ⁵	2006	1,298	-	-	-	-	2,245,500	
	2005	687	-	-	-	-	1,905,400	
TOTAL FRUIT & NUT CROPS	2006	16,625					\$39,964,300	
	2005	16,181					\$37,918,500	

¹Some figures may not add due to rounding

²Price Varies by Variety

³Includes acreage not harvested

⁴2006 included in misc Fruits & Nut Crops

⁵Misc Fruits & Nuts include Almond Hulls, Apricots, Apples, Citrus, Kiwi, Nectarines, Olives, Persimmons, Plums, Strawberries, etc.

⁶Includes fresh and processed



ACREAGE, PRODUCTION & VALUE Vegetable Crops

CROP	YEAR	HARVESTED		TOTAL	UNIT	PER UNIT	TOTAL VALUE
		ACRES	PER ACRE				
TOMATOES, PROCESSING	2006	10,000	34.76	347,600	Ton	59.84	20,800,400
	2005	10,300	36.17	372,551	Ton	51.30	19,112,000
BELL PEPPERS	2006	673	18.13	12,201	Ton	212.00	2,586,700
	2005	653	18.55	12,113	Ton	205.00	2,483,000
MISC. VEGETABLES ¹	2006	1,563	-	-	-	-	17,512,300
	2005	1,423	-	-	-	-	14,910,000
TOTAL VEGETABLE CROPS	2006	12,236					\$40,899,400
	2005	12,376					\$36,505,000

¹ Misc Vegetables include Beans, Cucumber, Endive, Fresh Tomatoes, Mushrooms, Onion, Peppers, Pumpkin, Salad Greens, Sprouts, Squash, Sweet Corn, Tomatillo, etc.

ACREAGE & VALUE

Nursery Stock



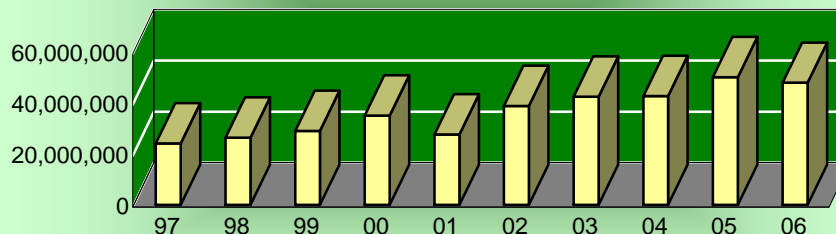
ITEM	YEAR	ACREAGE	AVERAGE VALUE
Nursery Stock	2006	1827	47,856,000
	2005	1533	50,018,000

¹Nursery Stock includes Bedding Plants, Buds, Christmas Trees, Cut Flowers, Cuttings, Greenhouse, Herbaceous Perennials, Root-stock, Scions, Turf, and Woody Ornamental



NURSERY STOCK

10-Year Value Summary
(Million US Dollars)



ACREAGE, PRODUCTION & VALUE Field Crops

CROP		YEAR	HARVESTED ACRES	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL VALUE
BARLEY	Dryland	2006	572	1.82	1,041	Ton	102.00	106,200
		2005	3,510	1.44	5,054	Ton	90.00	454,900
BEANS, DRY	Edible, all classes ¹	2006	2,894	1.04	3,010	Ton	757.00	2,278,400
		2005	2,789	1.03	2,873	Ton	636.00	1,827,200
CORN, FIELD		2006	2,836	4.67	13,244	Ton	110.00	1,456,900
		2005	6,445	5.28	34,030	Ton	92.00	3,130,800
HAY	Alfalfa	2006	36,304	5.49	199,309	Ton	117.00	23,319,100
		2005	34,605	6.25	216,281	Ton	123.00	26,602,600
	Grain	2006	2,580	3.24	8,359	Ton	94.00	785,800
		2005	2,944	3.67	10,805	Ton	89.00	961,600
	Grass	2006	1,522	2.51	3,820	Ton	73.00	278,900
		2005	891	1.83	1,631	Ton	65.00	106,000
PASTURE, IRRIGATED ²		2006	31,699	-	-	Acre	87.00	2,757,800
		2005	32,566	-	-	Acre	80.00	2,605,300
PASTURE, RANGELAND ³		2006	171,127	-	-	Acre	17.00	2,909,200
		2005	168,737	-	-	Acre	17.00	2,868,500
RYEGRASS		2006	7,608	2.42	18,411	Ton	75.00	1,380,900
		2005	8,107	2.99	24,240	Ton	76.00	1,842,200
SAFFLOWER, OIL		2006	5,764	0.88	5,072	Ton	280.00	1,420,200
		2005	6,276	1.18	7,406	Ton	240.00	1,777,400
SUDANGRASS		2006	8,360	3.66	30,598	Ton	133.00	4,069,500
		2005	7,938	4.54	36,039	Ton	117.00	4,216,600
WHEAT	Irrigated	2006	9,221	2.20	20,286	Ton	122.00	2,474,900
		2005	11,201	2.49	27,891	Ton	95.00	2,649,600
	Dryland	2006	12,273	1.69	20,741	Ton	129.00	2,675,600
		2005	14,026	1.90	26,649	Ton	98.00	2,611,600
MISC FIELD CROPS ⁴		2006	2,221	-	-	-	-	1,032,100
		2005	3,195	-	-	-	-	1,158,400
TOTAL FIELD CROPS		2006	294,981					\$46,945,500
		2005	303,230					\$52,812,700

¹Value and Yield Vary by Variety

²Data Source - 2005 Restricted Material Permit Program

³Calculated Using Data From Calif Dept of Conservation 2004-2006
Land Use Conversion Report

⁴Misc Field Crops Include, Corn Silage, Sudangrass Silage, and Stubble



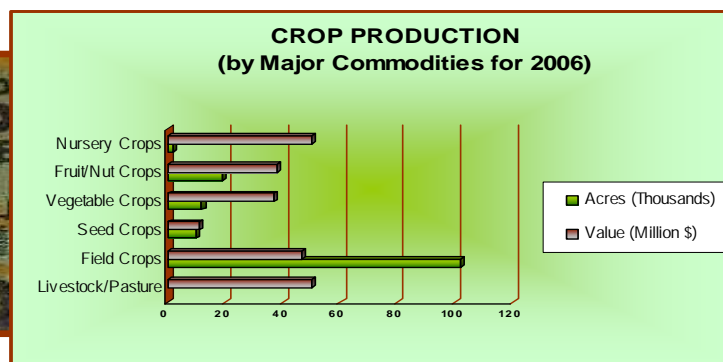
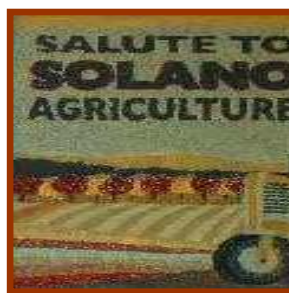
PRODUCTION & VALUE Livestock & Poultry

ITEM	YEAR	NUMBER OF HEAD	TOTAL LIVEWIGHT	UNIT	UNIT VALUE	TOTAL VALUE
CATTLE & CALVES	2006	36,000	291,654	Cwt	86.21	25,143,500
	2005	34,951	313,510	Cwt	86.77	27,203,300
SHEEP & LAMBS	2006	43,269	53,104	Cwt	79.93	4,244,600
	2005	44,607	71,371	Cwt	69.95	4,992,400
MISCELLANEOUS ¹	2006	-	-	-	-	6,553,200
	2005	-	-	-	-	5,072,600
TOTAL LIVESTOCK & POULTRY	2006					\$35,941,300
	2005					\$37,268,300

¹Miscellaneous includes Cull Cows, Dairy Calves, Dairy Replacement Heifers, Feeder Lambs, Goats, Poultry, Rabbits, Stocker Calves

PRODUCTS AND VALUE Livestock, Poultry & Apiary

ITEM	YEAR	PRODUCTION	UNIT	UNIT VALUE	TOTAL VALUE	
BEES	Pollination ¹	2006	15,891	Colony	64.90	1,031,400
		2005	13,773	Colony	37.70	519,300
	Apiary Products ²	2006	-	-	-	204,800
		2005	-	-	-	314,000
MILK	Market	2006	865,568	Cwt	12.10	10,473,400
		2005	865,469	Cwt	14.51	12,558,000
	Manufacturing	2006	108	Cwt	9.26	1,000
		2005	509	Cwt	15.72	8,000
WOOL	2006	308,083	Lb	0.65	200,300	
	2005	334,679	Lb	0.70	234,300	
TOTAL LIVESTOCK, POULTRY & APIARY	2006				\$11,910,900	
	2005				\$13,633,600	



¹Pollination Fee Varies by Crop. Crops pollinated Include Almond, Apple, Cherry, Kiwi, Prune, Sunflower & Vine Seed

²Apiary Products include Bee Packages, Honey, Queens, Wax

ACREAGE, PRODUCTION & VALUE

Seed Crops

CROP	YEAR	HARVESTED		TOTAL	UNIT	PER UNIT	TOTAL VALUE	
		ACRES	PER ACRE					
BEANS, DRY ¹	All Market	2006	1,068	0.58	619	Ton	698.00	432,400
	Classes	2005	-	-	-	-	-	-
	All Market	2006	854	0.84	717	Ton	692.00	496,400
	Classes, Certified	2005	835	0.86	718	Ton	706.00	506,900
	TOTAL	2006	1,922					928,800
	BEANS, DRY	2005	835					506,900
CUCUMBER	2006	456	106.00	48,336	Lb	16.78	811,100	
	2005	368	322.00	118,496	Lb	5.24	620,900	
SQUASH	2006	115	259.00	29,785	Lb	5.15	153,400	
	2005	-	-	-	-	-	-	
SUNFLOWER	2006	3,232	0.48	1,551	Ton	1567.00	2,430,400	
	2005	816	0.46	375	Ton	1820.00	682,500	
	Certified	2006	3,383	0.50	1,692	Ton	1857.00	3,142,000
		2005	5,710	0.46	2,627	Ton	2620.00	6,882,700
	TOTAL	2006	6,615					5,572,400
	SUNFLOWER	2005	6,526					7,565,200
WATERMELON	2006	316	351.00	110,916	Lb	3.25	360,500	
	2005	939	323.00	303,297	Lb	3.28	994,800	
MISC SEED ²	2006	3,859	-	-	-	-	2,161,400	
	2005	1,387	-	-	-	-	845,700	
TOTAL SEED CROPS	2006	13,283					\$9,987,600	
	2005	10,055					\$10,533,500	

¹Value and Yield Vary by Variety

²Misc Seed includes Melon, Onion, Pepper, Pumpkin, Sorghum/Milo, Sundangrass, Sunflower, and Wheat



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
	Rust (<i>Puccinia jaceae var. solstitialis</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
Glassywinged Sharpshooter <i>(Homalodisca coagulata)</i>	Parasitic Wasp (<i>Gonatocerus triguttatus</i>)	6 Sites
	(<i>Gonatocerus fasciatus</i>)	8 Sites

PEST	INSPECTED	NUMBER OF INSPECTIONS
Glassywinged Sharpshooter <i>(Homalodisca coagulata)</i>	1,310 Nursery, Urban, Delimitation Traps	28,470 6,943 Properties Surveyed 1,411 Nursery Shipments 1 Treated Site
Gypsy Moth <i>(Lymantria dispar)</i>	Outdoor Household Goods	37 Shipments
Sudden Oak Death <i>(Phytophthora ramorum)</i>	Nursery, Greenwaste, Wood Products, Soil, etc.	100
Exotic Pests	Incoming Packages, Plant Shipments, Trucks, Seeds, etc.	2,518
Export International Interstate	Raw Agricultural (plant) Products	953 Phytosanitary Certificates 850 State Quarantine & Phytosanitary
Apple Maggot, Gypsy Moth, Japanese Beetle, Khapra Beetle, Mediterranean Fruit Fly, Melon Fly, Olive Fruit Fly, Oriental Fruit Fly	1,082 Pest Detection Traps	9,740
Seed for Export	8,278 Acres Seed Crops (Phytosanitary Field)	

ORGANIC FARMING STATISTICS

FARMS	PRODUCTS	ACRES
28	Various Fruits & Vegetables	Approximately 1,200

(Almonds, Appies, Apricots, Beans, Broccoli, Carrots, Cherries, Citrus, Cut Flowers, Endive, Fig, Herbs, Kiwi, Melons, Micro Greens, Olives, Peaches, Pears, Persimmons, Plums, Sprouts, Squash, Tomatoes, Walnuts, Wine Grapes, etc.)