

# **GLENN COUNTY**

2007

## **Annual Crop & Livestock Report**



Almonds in Glenn County by Lisa  
Hunter and Jean Miller

# Glenn County

Glenn County is located in the heart of the Sacramento Valley and is primarily an agricultural community. The Coast Range mountains are on the west (dark part of map below) and the Sacramento River is located on the east. Interstate 5 runs north and south through the middle of this rich farm land.

With over 1,000 farms, agriculture remains the primary source of Glenn County's economy. Major commodities include rice, almonds, dairies, walnuts and prunes.

Glenn County was incorporated on March 5, 1891 and the county seat, Willows, was created 6 days later on March 11, 1891. Glenn County was created out of the northern portion of Colusa County, then called Colusi County and was named for Dr. Hugh L. Glenn, the largest wheat farmer in California in his lifetime.



Bob Birdseye inspecting bee hives for colony strength, American foulbrood and small hive beetle.

# County Of Glenn

## DEPARTMENT OF AGRICULTURE

Mark Black, Agricultural Commissioner  
Sealer of Weights and Measures

Jean Miller, Assistant Commissioner  
Assistant Sealer of Weights & Measures

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

and

The Honorable Board of Supervisors  
Chairman: Michael Murray District 4  
Tom McGowan District 1  
Tracy Quarne District 2  
John Amaro District 3  
Keith Hansen District 5

I am pleased to submit the 2007 annual crop and livestock report for Glenn County as required by Section 2279 of the California Food and Agriculture Code. This report summarizes the acreage, production and gross value of Glenn County agricultural and forest commodities.

Agriculture continues to be the county's major industry. The 2007 gross production of agricultural commodities was valued at \$493,324,000. This represents an increase of 34 percent from the 2006 gross production value of \$368,878,000.

Almonds captured the lead this year as the number one commodity with a total value of \$109,918,000. Rice is in the number two spot with a value of \$106,039,000. Rice and almonds represent 51% of the top 10 commodities for 2007.

Corn and wheat both had a significant increase in acreage and value and corn is back in the top ten list. Milk increased notably due to its higher value. Olives rebounded vigorously from the devastating weather experienced in 2006.

Many different seed crops are grown in Glenn County, especially sunflowers. The acreage was down by 25% overall due to the increase in corn and wheat acreage.

Values given in this report are gross receipts received by growers and do not reflect their net income. These values do not take into account the various costs of production, marketing or transportation.

I want to express my appreciation for the cooperation and assistance of all individuals, related agencies and members of the agricultural industry for their help in compiling this report. Members of my staff should be commended for their countless hours and extra efforts to gather this year's information and to Jean Miller for the compilation of the report.

Respectfully submitted,



Mark D. Black  
Agricultural Commissioner

# FIELD CROPS

## Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			UNIT	VALUE	
		ACREAGE	PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS	2007	3,033	1.55	4,701	Ton	\$840.00	\$3,949,000
	2006	2,153	1.37	2,950		\$780.00	\$2,301,000
BARLEY	2007	1,175	1.40	1,645	Ton	170.00	280,000
	2006	2,118	1.80	3,812		104.00	396,000
CORN	2007	12,068	5.64	68,064	Ton	151.00	10,278,000
	2006	6,260	5.22	32,677		126.00	4,117,000
COTTON, LINT	2007	2,768	3.27	9,051	500 lb.	350.00	3,168,000
	2006	3,070	3.30	10,131		345.00	3,495,000
COTTON, SEED	2007			3,231	Ton	210.00	679,000
	2006			4,221		180.00	760,000
HAY, ALFALFA	2007	16,008	7.29	116,698	Ton	135.00	15,754,000
	2006	16,345	5.98	97,743		123.00	12,022,000
HAY, OTHER	2007	2,909	2.50	7,273	Ton	125.00	909,000
	2006	6,418	2.78	17,842		81.00	1,445,000
PASTURE, IRRIGATED	2007	8,194			Acres	155.00	1,270,000
	2006	7,080				155.00	1,097,000
RANGE	2007	230,000			Acres	10.00	2,300,000
	2006	230,000				10.00	2,300,000
RICE, PADDY	2007	82,668	4.29	354,646	Ton	299.00	106,039,000
	2006	82,436	4.06	334,690		283.00	94,717,000
SAFFLOWER	2007	221	1.02	225	Ton	364.00	82,000
	2006	306	0.61	187		320.00	60,000
SILAGE, CORN	2007	5,220	28.95	151,119	Ton	29.00	4,382,000
	2006	4,990	29.19	145,658		22.00	3,204,000
WHEAT	2007	10,019	3.26	32,662	Ton	162.00	5,291,000
	2006	6,389	1.66	10,605		137.00	1,453,000
MISCELLANEOUS	2007	20,323	Includes sorghum, organic rice, and straw from				5,667,000
	2006	11,584	barley, oats, rice and wheat.				4,317,000
TOTALS	2007	394,606					\$160,048,000
	2006	383,449					\$131,684,000

1 714 pounds of seed/bale

2 If use Animal Unit Month (AUM) where one cow/calf unit equals one acre, then AUM equals 1; rental @ \$25/AUM

3 If use Animal Unit Month (AUM) where one cow/calf unit equals one acre, then AUM equals .07; rental @ \$17/AUM

4 Includes USDA Support Price

## APIARY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL	
BEESWAX	2007	0			\$0.00	\$0
	2006	2,000	Lbs		\$1.00	\$2,000
HONEY	2007	0			0.00	0
	2006	89,600	Lbs		0.80	72,000
PACKAGED BEES	2007	140,050			11.80	1,652,000
	2006	96,000	Lbs		9.75	936,000
POLLINATION	2007					2,699,000
	2006					2,300,000
QUEEN BEES	2007	148,600			14.00	2,080,000
	2006	128,000	Each		13.50	1,728,000
TOTALS	2007					\$6,431,000
	2006					\$5,038,000

## SEED CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	PRODUCTION			VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL	
BEANS	2007	473	1,916	906,367		\$0.45	\$408,000	
	2006	1,318	1,985	2,616,230	Lbs	\$0.40	\$1,046,000	
CLOVER, ALL	2007	441	538	237,258		1.01	240,000	
	2006	425	393	167,025	Lbs	1.33	222,000	
RICE	2007	2,044	9,014	18,424,616		0.17	3,132,000	
	2006	2,972	8,520	25,321,440	Lbs	0.15	3,798,000	
SUNFLOWER	2007	3,456	1,101	3,805,056		0.93	3,539,000	
	2006	4,120	736	3,032,320	Lbs	1.56	4,730,000	
VINE CROPS	2007	1,251	Includes cucumbers, melons, gourds, pumpkins, squash					1,165,000
	2006	1,448	and watermelons					1,590,000
OTHER SEED	2007	203	Includes broccoli, carrots, chard, Chinese cabbage,					881,000
	2006	146	kale, okra, onions and Swiss chard					685,000
TOTALS	2007	7,868					\$9,365,000	
	2006	10,429					\$12,071,000	

## VEGETABLE CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	PRODUCTION			VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL	
TOTALS	2007	343	Includes cucumbers, eggplant, melons, onion bulbs,					\$798,000
	2006	176	peppers, pumpkins, squash, strawberries, sweet corn,					\$433,000
			tomatoes (fresh and processed) and watermelons					

## LIVESTOCK and POULTRY

### Production and Value of Agricultural Products

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL WEIGHT	UNIT	VALUE		
					PER UNIT	TOTAL	
CATTLE and CALVES	2007	31,833	217,418		\$86.20	\$18,750,000	
	2006	32,575	225,581	Cwt	\$89.66	\$20,226,000	
SHEEP and LAMBS	2007	6,643	6,842		90.50	619,000	
	2006	6,779	6,982	Cwt	84.00	587,000	
HOGS and PIGS	2007	1,931	3,476		48.80	170,000	
	2006	1,806	3,251	Cwt	47.90	156,000	
POULTRY	2007	Included under Livestock and Poultry Products to protect individual operations.					
	2006						
TOTALS	2007						\$19,539,000
	2006						\$20,969,000

## LIVESTOCK and POULTRY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION	UNIT	VALUE		
				PER UNIT	TOTAL	
MILK: Market	2007	3,697,237		\$18.22	\$67,364,000	
	2006	3,316,092	Cwt	\$11.61	\$38,500,000	
MILK: Manufacturing	2007	251,263		18.92	4,754,000	
	2006	301,489	Cwt	12.75	3,844,000	
WOOL	2007	67,294		0.85	57,000	
	2006	69,824	Lbs	0.94	66,000	
MISCELLANEOUS	2007					353,000
	2006					336,000
TOTALS	2007					\$72,528,000
	2006					\$42,746,000

## NURSERY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
TOTALS	2007	337	\$5,548,000
	2006	379	\$5,659,000

Includes grapes for rootstock, potted plants, sod and strawberry plants

## FRUIT and NUT CROPS

### Production and Value of Agricultural Products

Commodity	Year	Bearing PRODUCTION			VALUE		
		Acreage	Per Acre	Total	Unit	Per Unit	Total
ALMONDS	2007	29,717	0.96	28,528	Meat	\$3,850	\$109,918,000
	2006	28,292	0.65	18,390	Ton	\$4,200	\$77,238,000
ALMOND HULLS	2007			35,660	Ton	90	3,209,000
	2006			22,762		75	1,707,000
CITRUS	2007	452	7.20	3,254	Ton	1,100	3,580,000
	2006	521	2.80	1,459		750	1,094,000
GRAPES	2007	1,263	8.40	10,609	Ton	301	3,193,000
	2006	1,307	8.88	11,615		588	6,830,000
OLIVES	2007	3,752	6.60	24,763	Ton	803	19,885,000
	2006	3,516	1.44	5,063		805	4,076,000
PISTACHIOS	2007	1,043	1.83	1,909	Inshell	3,580	6,834,000
	2006	943	1.55	1,462	Ton	3,759	5,496,000
PRUNES	2007	6,715	2.60	17,459	Dry	1,490	26,031,000
	2006	6,800	2.25	15,300	Ton	1,447	22,139,000
WALNUTS	2007	13,415	1.55	20,794	Inshell	2,050	42,628,000
	2006	12,092	1.67	20,220	Ton	1,524	30,815,000
MISCELLANEOUS	2007	563	Includes apricots, black walnuts, blueberries, cherries,				3,789,000
	2006	195	kiwis, olive oil, peaches and pecans.				883,000
TOTALS	2007	56,920					\$219,067,000
	2006	53,666					\$150,278,000

## FOREST PRODUCTS

### Production and Value of Forest Products

COMMODITY	YEAR	PRODUCTION		VALUE		
		UNIT	PER UNIT	TOTAL		
CHRISTMAS TREES	2007		1,900	Each	\$21.00	\$40,000
	2006		1,800		\$21.00	\$38,000
FIREWOOD	2007		870	Cord	120.00	140,000
	2006		850		115.00	98,000
TIMBER	2007		2,086,000	Board Ft	0.18	380,000
	2006		0		0.00	
TOTALS	2007					\$560,000
	2006					\$136,000

## VALUE of AGRICULTURAL and FOREST PRODUCTION

VALUE of AGRICULTURAL PRODUCTS	2006	2007
Fruit and Nut Crops	\$150,278,000	\$219,067,000
Field Crops	131,684,000	160,048,000
Livestock and Poultry Products	42,746,000	72,528,000
Livestock and Poultry	20,969,000	19,539,000
Seed Crops	12,071,000	9,365,000
Apiary Products	5,038,000	6,431,000
Nursery Products	5,659,000	5,548,000
Vegetable Crops	433,000	798,000
<b>TOTAL AGRICULTURAL PRODUCTION</b>	<b>\$368,878,000</b>	<b>\$493,324,000</b>

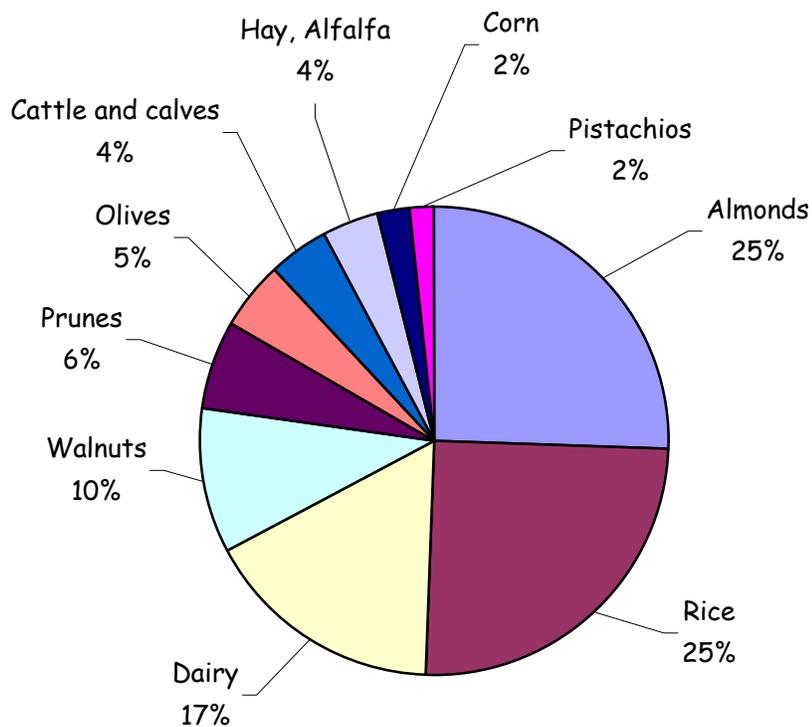
VALUE of FOREST PRODUCTS	2006	2007
Timber	\$0	\$380,000
Firewood	98,000	140,000
Christmas Trees	38,000	40,000
<b>TOTAL FOREST PRODUCTION</b>	<b>\$136,000</b>	<b>\$560,000</b>

**GRAND TOTAL ALL PRODUCTION**                      \$369,014,000                      **\$493,884,000**

# GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	2007 Value
1) Almonds	\$109,918,000
2) Rice	106,039,000
3) Dairy	72,118,000
4) Walnuts	42,628,000
5) Prunes	26,031,000
6) Olives	19,885,000
7) Cattle and calves	18,750,000
8) Hay, Alfalfa	15,754,000
9) Corn	10,278,000
10) Pistachios	6,834,000

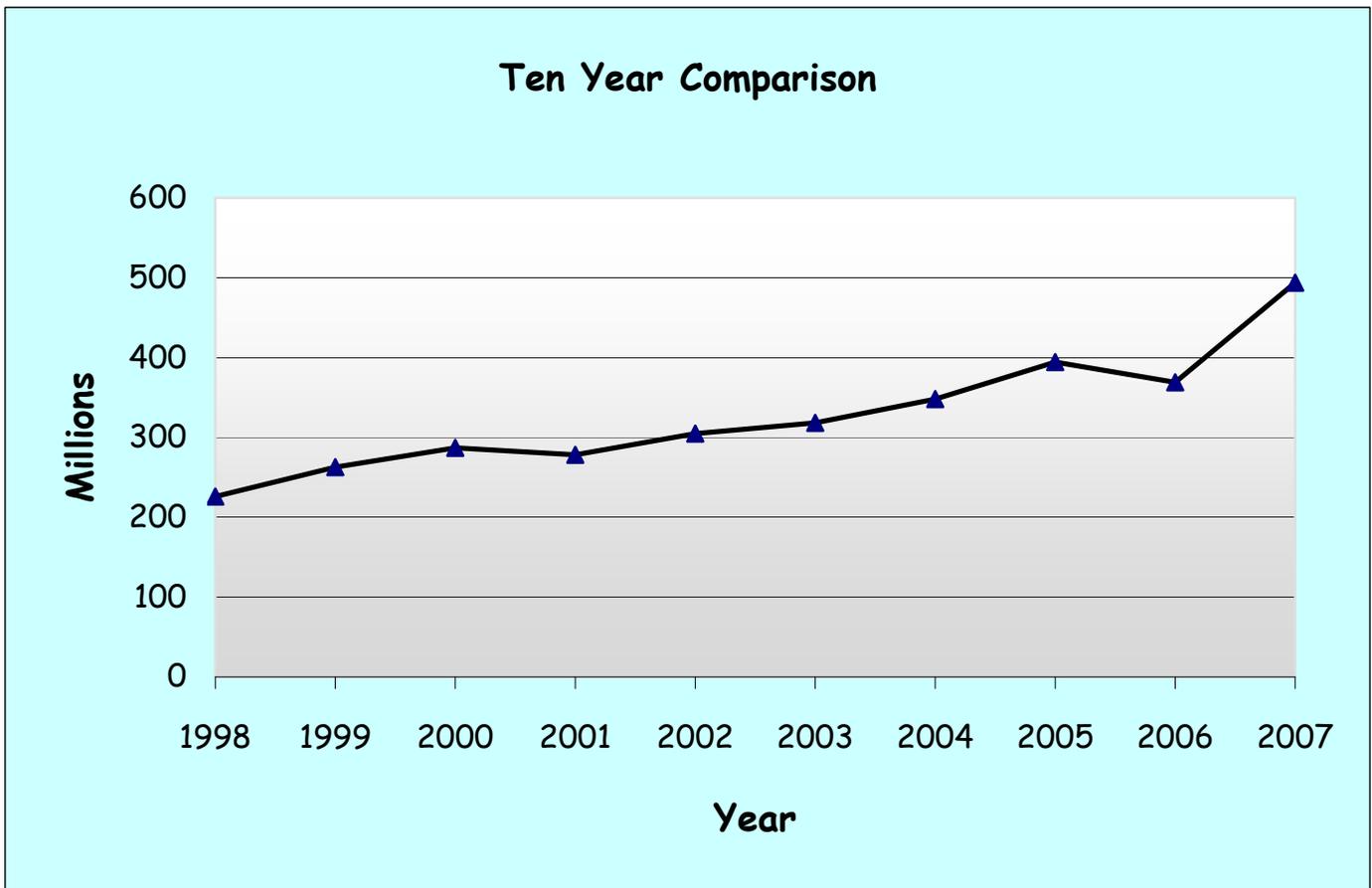
## Ten Leading Commodities 2007



# TEN YEAR PRODUCTION COMPARISON

## 1998 - 2007

<u>Year</u>	<u>Grand Total</u>
2007	\$493,884,000
2006	\$369,014,000
2005	\$394,212,000
2004	\$348,138,000
2003	\$318,042,000
2002	\$304,664,000
2001	\$278,261,000
2000	\$286,741,000
1999	\$262,606,000
1998	\$226,045,000



# 2007 GLENN COUNTY SUSTAINABLE AGRICULTURE

## PEST EXCLUSION

Terminal Inspections	Number of Shipments Profiled	Number of Shipments Inspected	Rejections
Postal	0	0	
Truck	63	16,724	1
Other	104	2,952	

Origin Certification	Number of Inspections
Field Inspections	844
Phyto Certificates Issued	1,431

## ORGANIC FARMING

Crop	Number of Farms		Acres
	2007	2006	
Almonds	7	7	271
		7	282
Citrus	8	7	112
		7	150
Corn	1	2	35
		2	35
Fruit Trees	5	6	13
		6	16
Olives	5	6	102
		6	109
Pasture	7	6	493
		6	463
Prunes	1	2	30
		2	30
Rice	17	15	2,530
		15	2,303
Vegetables/Herbs	4	5	6
		5	5
Dairy/Livestock	2	n/a	n/a
		n/a	n/a
Miscellaneous*	14	19	1,125
		19	447
<b>Totals</b>	<b>57</b>	<b>75</b>	<b>4,717</b>
		75	3,843

\* Includes: wheat, forage, pecan, walnut, rygrass, safflower, wild rice and fallow ground.  
There are 47 registered growers and 2 registered handlers in Glenn County.

# GLENN COUNTY SUSTAINABLE AGRICULTURE

## BIOLOGICAL CONTROL

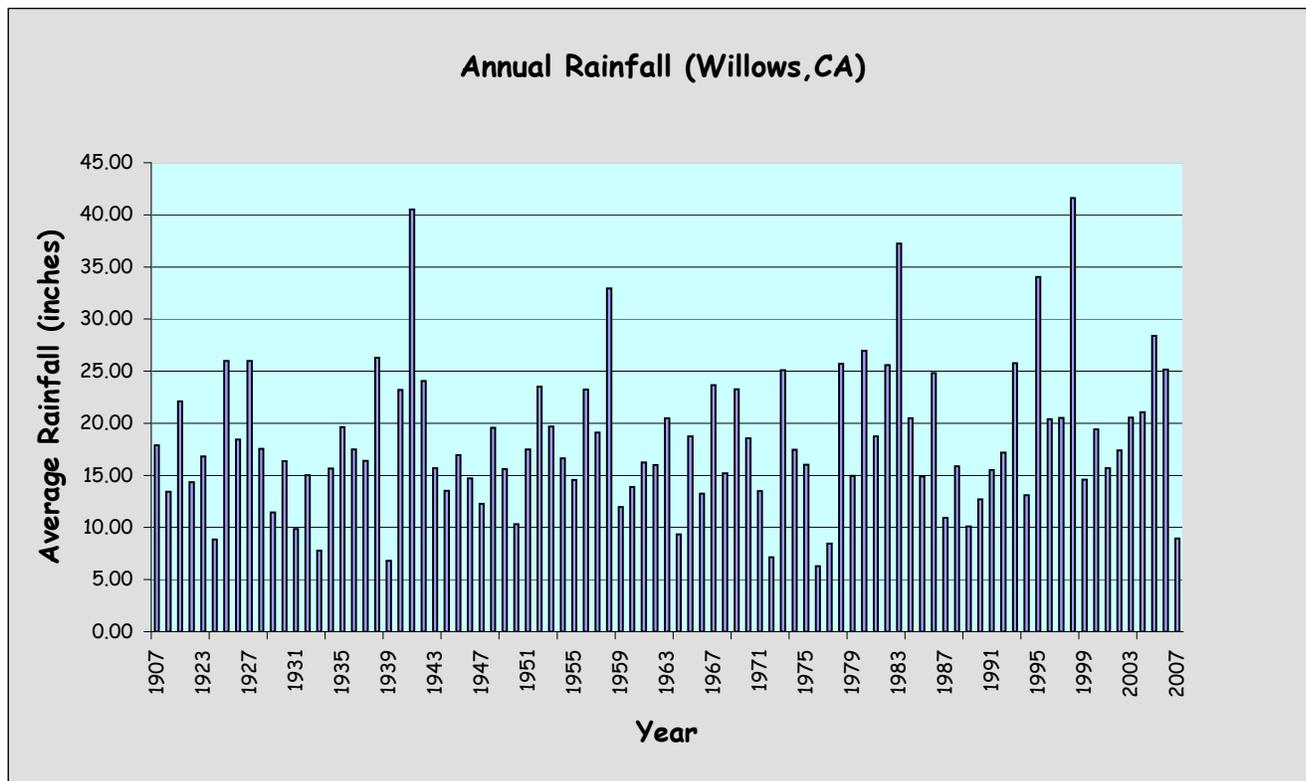
Pest	Control Agent	Program Scope
<b>Ash Whitefly</b> <i>Siphoninus phillyreae</i>	<b>Wasp</b> <i>Encarsia Sp.</i>	Established
	<b>Beetle</b> <i>Clitostethus arcuatus</i>	Established
<b>Italian Thistle</b> <i>Carduus pycnocephalus</i>	<b>Weevil</b> <i>Rhynchocyllus conicus</i>	Established
<b>Puncturevine</b> <i>Tribulus terrestris</i>	<b>Stem and Seed Weevils</b> <i>Microlarinus lypriformis</i> <i>Microlarinus lareyniei</i>	Established Established
<b>Yellow Starthistle</b> <i>Centaurea solstitialis</i>	<b>Weevil</b> <i>Bangasternus orientalis</i> <i>Eustenopus villosus</i>	Established Established
	<b>Fly</b> <i>Urophora sirunaseva</i> <i>Chaetorellia australis</i>	Established Established
	<b>Rust</b> <i>Puccinia jaceae</i>	3 Release Sites
<b>Red Gum Lerp Psyllid</b> <i>Glycaspis brimblecombei</i>	<b>Fly</b> <i>Psyllaphaeus bliteus</i>	Established

## PEST ERADICATION

Pest	Control Agent	Number of Locations
<b>Canada Thistle</b> <i>Cirsium arvense</i>	Chemical/Mechanical	2
<b>Dyer's Woad</b> <i>Isatis tinctoria</i>	Chemical/Mechanical	11
<b>Perennial Pepperweed</b> <i>Lepidium latifolium</i>	Chemical/Mechanical	38
<b>Plumeless Thistle</b> <i>Carduus acanthoides</i>	Chemical/Mechanical	3
<b>Russian Knapweed</b> <i>Acroptilon repens</i>	Chemical	1
<b>Silverleaf Nightshade</b> <i>Solanum elaeagnifolium</i>	Chemical/Mechanical	27
<b>Hoarycress (Whitetop)</b> <i>Cardaria draba</i>	Chemical/Mechanical	10
<b>Purple Starthistle</b> <i>Centaurea calcitrapa</i>	Chemical/Mechanical	1
<b>Diffuse Knapweed</b> <i>Centaurea diffusa</i>	Chemical/Mechanical	1
<b>Klamath Weed</b> <i>Hypericum perforatum</i>	Chemical/Mechanical	4
<b>Barbed Goatgrass</b> <i>Aegilops triuncialis</i>	Chemical/Mechanical	1
<b>Tree of Heaven</b> <i>Ailanthus altissima</i>	Chemical/Mechanical	2

# ANNUAL RAINFALL at WILLOWS, CALIFORNIA

Year	Inches	Year	Inches	Year	Inches	Year	Inches
1883 - 1884	18.84	1914 - 1915	27.19	1945 - 1946	14.72	1976 - 1977	8.46
1884 - 1885	7.80	1915 - 1916	18.11	1946 - 1947	12.28	1977 - 1978	25.72
1885 - 1886	19.15	1916 - 1917	11.43	1947 - 1948	19.56	1978 - 1979	14.97
1886 - 1887	8.07	1917 - 1918	11.90	1948 - 1949	15.59	1979 - 1980	26.95
1887 - 1888	8.97	1918 - 1919	12.90	1949 - 1950	10.32	1980 - 1981	18.76
1888 - 1889	10.30	1919 - 1920	7.70	1950 - 1951	17.48	1981 - 1982	25.58
1889 - 1890	29.94	1920 - 1921	21.28	1951 - 1952	23.50	1982 - 1983	37.25
1890 - 1891	19.01	1921 - 1922	13.44	1952 - 1953	19.70	1983 - 1984	20.47
1891 - 1892	18.82	1922 - 1923	16.81	1953 - 1954	16.64	1984 - 1985	14.89
1892 - 1893	27.30	1923 - 1924	8.86	1954 - 1955	14.57	1985 - 1986	24.82
1893 - 1894	11.15	1924 - 1925	25.99	1955 - 1956	23.24	1986 - 1987	10.92
1894 - 1895	26.04	1925 - 1926	18.44	1956 - 1957	19.11	1987 - 1988	15.86
1895 - 1896	22.18	1926 - 1927	25.99	1957 - 1958	32.93	1988 - 1989	10.12
1896 - 1897	18.82	1927 - 1928	17.54	1958 - 1959	11.96	1989 - 1990	12.71
1897 - 1898	6.58	1928 - 1929	11.46	1959 - 1960	13.88	1990 - 1991	15.51
1898 - 1899	13.05	1929 - 1930	16.37	1960 - 1961	16.24	1991 - 1992	17.19
1899 - 1900	15.23	1930 - 1931	9.85	1961 - 1962	16.01	1992 - 1993	25.76
1900 - 1901	17.49	1931 - 1932	15.01	1962 - 1963	20.48	1993 - 1994	13.10
1901 - 1902	21.67	1932 - 1933	7.79	1963 - 1964	9.34	1994 - 1995	34.04
1902 - 1903	17.10	1933 - 1934	15.65	1964 - 1965	18.75	1995 - 1996	20.39
1903 - 1904	20.28	1934 - 1935	19.62	1965 - 1966	13.26	1996 - 1997	20.52
1904 - 1905	24.55	1935 - 1936	17.48	1966 - 1967	23.65	1997 - 1998	41.62
1905 - 1906	19.85	1936 - 1937	16.40	1967 - 1968	15.21	1998 - 1999	14.59
1906 - 1907	17.88	1937 - 1938	26.28	1968 - 1969	23.25	1999 - 2000	19.43
1907 - 1908	13.44	1938 - 1939	6.82	1969 - 1970	18.56	2000 - 2001	15.70
1908 - 1909	22.09	1939 - 1940	23.21	1970 - 1971	13.50	2001 - 2002	17.40
1909 - 1910	14.36	1940 - 1941	40.50	1971 - 1972	7.15	2002 - 2003	20.56
1910 - 1911	17.75	1941 - 1942	24.07	1972 - 1973	25.11	2003 - 2004	21.07
1911 - 1912	11.26	1942 - 1943	15.68	1973 - 1974	17.45	2004 - 2005	28.39
1912 - 1913	13.18	1943 - 1944	13.52	1974 - 1975	16.03	2005 - 2006	25.17
1913 - 1914	29.18	1944 - 1945	16.94	1975 - 1976	6.30	<b>2006 - 2007</b>	<b>8.93</b>



# STAFF MEMBERS

**Agricultural Commissioner  
Sealer of Weights and Measures**

Mark D. Black

**Assistant Agricultural Commissioner  
Assistant Sealer of Weights and Measures**

Jean Miller

**Deputy Agricultural Commissioner  
Deputy Sealer of Weights and Measures**

Rey M. Lopez

## **Environmental Biologists:**

Bob Birdseye

Lester Messina

Greg Hinton

Tom Wong

Lisa Hunter

Craig Boschi

Jordana Ellis

## **Support Staff:**

Debra Hubbard

Maureen Bailey

Tina Brothers

Jennifer Kline

Dottie LaCroix

## **Air Pollution Staff:**

Kevin Tokunaga

Eric Scott

Ian Ledbetter

Ben Myhre

Candis Woods

Delia Azure

Dana Owens