

# GLENN COUNTY

2008

## Annual Crop & Livestock Report



Rice in Glenn County

## Dedication

The 2008 Crop and Livestock Report is dedicated to Bob Birdseye who retired on December 31, 2008. He joined the Glenn County Agricultural Commissioner's office in 1993 as a Biologist Aide and rose to the position of Environmental Biologist 4. He was our key apiary specialist and has started his own apiary business so he can continue to work with bees. We miss him and wish him well in his new adventures and thank him for the great banana bread he bakes and brings to us- warm from the oven.



# 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. The population of Glenn County is slightly over 29,000 and the two major cities, Willows and Orland, lie along Interstate 5.

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.



# 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  
John Viegas District 1  
Tracy Quarne District 2  
Steve Soeth District 3  
Leigh McDaniel District 5

I am pleased to submit the 2008 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 2008 gross production of agricultural commodities was valued at \$558,467,000. This represents an increase of 13 percent from the 2007 gross production value of \$493,324,000.

Rice returned to the lead this year as the number one commodity with a total value of \$193,089,000. Almonds are in the number two spot with a value of \$87,931,000. Rice and almonds represent 59% of the top 10 commodities for 2008.

The almond industry took a beating between the powerful storm that hit on January 4, 2008 and a devastating fire at a large processing facility that occurred after harvest. In addition, both the yield and price were down.

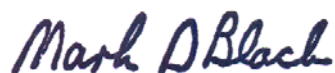
The table olive industry suffered greatly when frost hit at bloom time on April 20, 2008 and then again when abnormal hot, dry winds blew for two weeks in May 2008. The winds were also devastating to the citrus industry.

Our rangeland is still experiencing drought conditions which are creating hardships for our cattle industry. We are entering our third year of below average rainfall which also creates difficulties for all water users.

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			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2008	1,713	1.10	1,884	Ton	\$1,000	\$1,884,000
	2007	3,033	1.55	4,701		\$840	\$3,949,000
BARLEY	2008	reported under miscellaneous			Ton	170	280,000
	2007	1,175	1.40	1,645			
CORN	2008	9,094	6.31	57,383	Ton	187	10,731,000
	2007	12,068	5.64	68,064		151	10,278,000
COTTON, LINT	2008	2,401	3.51	8,427	500 lb.	340	2,865,000
	2007	2,768	3.27	9,051		350	3,168,000
COTTON, SEED	2008			3,008	Ton	400	1,203,000
	2007			3,231		210	679,000
HAY, ALFALFA	2008	16,068	6.75	108,459	Ton	186	20,173,000
	2007	16,008	7.29	116,698		135	15,754,000
HAY, OTHER	2008	2,793	2.10	5,865	Ton	135	792,000
	2007	2,909	2.50	7,273		125	909,000
PASTURE, IRRIGATED	2008	6,477			Acres	162	1,049,000
	2007	8,194				155	1,270,000
RANGE	2008	230,000			Acres	7	1,610,000
	2007	230,000				10	2,300,000
RICE, PADDY	2008	77,770	4.41	342,965	Ton	563	193,089,000
	2007	82,668	4.29	354,646		299	106,039,000
SAFFLOWER	2008	1,030	1.50	1,545	Ton	439	678,000
	2007	221	1.02	225		364	82,000
SILAGE, CORN	2008	3,897	27.07	105,492	Ton	55	5,802,000
	2007	5,220	28.95	151,119		29	4,382,000
WHEAT	2008	14,902	2.03	30,251	Ton	224	6,776,000
	2007	10,019	3.26	32,662		162	5,291,000
MISCELLANEOUS	2008	21,913	Includes sorghum, organic rice, and straw				8,259,000
	2007	20,323	from barley, oats, rice and wheat.				5,667,000
TOTALS	2008	388,058					\$254,911,000
	2007	394,606					\$160,048,000

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 @ \$27/AUM

3 If use Animal Unit Month (AUM) where one cow/calf unit equals one acre, then AUM equals .015; rental @ \$23/AUM

3a 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



Wheat

# FRUIT and NUT CROPS

## Production and Value of Agricultural Products

Commodity	Year	Bearing PRODUCTION			VALUE		
		Acreage	Per Acre	Total	Unit	Per Unit	Total
ALMONDS	2008	29,966	0.86	25,771	Meat	\$3,412	\$87,931,000
	2007	29,717	0.96	28,528	Ton	\$3,850	\$109,918,000
ALMOND HULLS	2008			30,846	Ton	90	2,776,000
	2007			35,660		90	3,209,000
CITRUS	2008	452	4.74	2,142	Ton	692	1,482,000
	2007	452	7.20	3,254		1,100	3,580,000
GRAPES	2008	1,233	7.60	9,371	Ton	643	6,026,000
	2007	1,263	8.40	10,609		301	3,193,000
OLIVES	2008	4,134	2.88	11,906	Ton	933	11,108,000
	2007	3,752	6.60	24,763		803	19,885,000
PISTACHIOS	2008	1,043	2.37	2,472	Inshell	4,720	11,668,000
	2007	1,043	1.83	1,909	Ton	3,580	6,834,000
PRUNES	2008	6,715	2.48	16,653	Dry	1,587	26,428,000
	2007	6,715	2.60	17,459	Ton	1,490	26,031,000
WALNUTS	2008	13,520	1.80	24,336	Inshell	1,200	29,203,000
	2007	13,415	1.55	20,794	Ton	2,050	42,628,000
MISCELLANEOUS	2008	657	Includes apricots, black walnuts, blueberries,				2,126,000
	2007	563	cherries, kiwis, olive oil, peaches and pecans.				3,789,000
TOTALS	2008	57,720					\$178,748,000
	2007	56,920					\$219,067,000



Walnuts

Oranges



\* Table olives

## NURSERY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE		TOTAL VALUE
TOTALS	2008	290	Includes grapes for rootstock, potted plants, sod and strawberry plants	\$5,097,000
	2007	337		\$5,548,000



Harvesting strawberry plants in December

## VEGETABLE CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	PRODUCTION			VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL	
TOTALS	2008	242	Includes cucumbers, eggplant, melons, onion bulbs, peppers, pumpkins, squash, strawberries, sweet corn, tomatoes (fresh and processed) and watermelons					\$901,000
	2007	343						\$798,000

## FOREST PRODUCTS

### Production and Value of Forest Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		UNIT	PER UNIT	TOTAL	PER UNIT	TOTAL	
CHRISTMAS TREES	2008	1,900	Each				\$41,800
	2007	1,900					\$21.00
FIREWOOD	2008	860	Cord				\$98,900
	2007	870					120.00
TIMBER	2008	1,173,000	Board Ft				\$152,000
	2007	2,086,000					0.18
TOTALS	2008						\$293,000
	2007						\$524,000

\*Revised



## APIARY PRODUCTS



### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL	
BEESWAX	2008	1,800		\$1.89	\$3,400	
	2007	0	Lbs	\$0.00	\$0	
HONEY	2008	95,000		1.33	126,000	
	2007	0	Lbs	0.00	0	
PACKAGED BEES	2008	156,400		10.95	1,713,000	
	2007	140,050	Lbs	11.80	1,652,000	
POLLINATION	2008				7,641,000	
	2007				2,699,000	
QUEEN BEES	2008	251,100		14.85	3,729,000	
	2007	148,600	Each	14.00	2,080,000	
TOTALS	2008				\$13,212,000	
	2007				\$6,431,000	

## SEED CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2008	252	1,972	496,944		\$0.59	\$293,000
	2007	473	1,916	906,367	Lbs	\$0.45	\$408,000
CLOVER, ALL	2008	0					0
	2007	441	538	237,258	Lbs	1.01	240,000
RICE	2008	2,800	9,465	26,502,000		0.29	7,686,000
	2007	2,044	9,014	18,424,616	Lbs	0.17	3,132,000
SUNFLOWER	2008	2,790	894	2,494,260		1.61	4,016,000
	2007	3,456	1,101	3,805,056	Lbs	0.93	3,539,000
VINE CROPS	2008	641					1,698,000
	2007	1,251					1,165,000
OTHER SEED	2008	1,837					1,282,000
	2007	203					881,000
TOTALS	2008	8,320					\$14,975,000
	2007	7,868					\$9,365,000





## LIVESTOCK and POULTRY

### Production and Value of Agricultural Products

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL WEIGHT	UNIT	VALUE		
					PER UNIT	TOTAL	
CATTLE and CALVES	2008	31,184	209,828	Cwt	\$82.90	\$17,395,000	
	2007	31,833	217,418		\$86.20	\$18,750,000	
SHEEP and LAMBS	2008	7,041	7,252	Cwt	91.30	662,000	
	2007	6,643	6,842		90.50	619,000	
HOGS and PIGS	2008	1,892	3,406	Cwt	48.50	165,000	
	2007	1,931	3,476		48.80	170,000	
POULTRY	2008	Included under Livestock and Poultry Products to protect individual operations.					
	2007						
TOTALS	2008						\$18,222,000
	2007						\$19,539,000

## LIVESTOCK and POULTRY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION	UNIT	VALUE		
				PER UNIT	TOTAL	
MILK: Market	2008	4,135,661	Cwt	\$16.76	\$69,314,000	
	2007	3,697,237		\$18.22	\$67,364,000	
MILK: Manufacturing	2008	139,906	Cwt	18.80	2,630,000	
	2007	251,263		18.92	4,754,000	
WOOL	2008	71,325	Lbs	0.99	70,600	
	2007	67,294		0.85	57,000	
MISCELLANEOUS	2008					387,000
	2007					353,000
TOTALS	2008					\$72,402,000
	2007					\$72,528,000



Dairy cattle

## VALUE of AGRICULTURAL and FOREST PRODUCTION

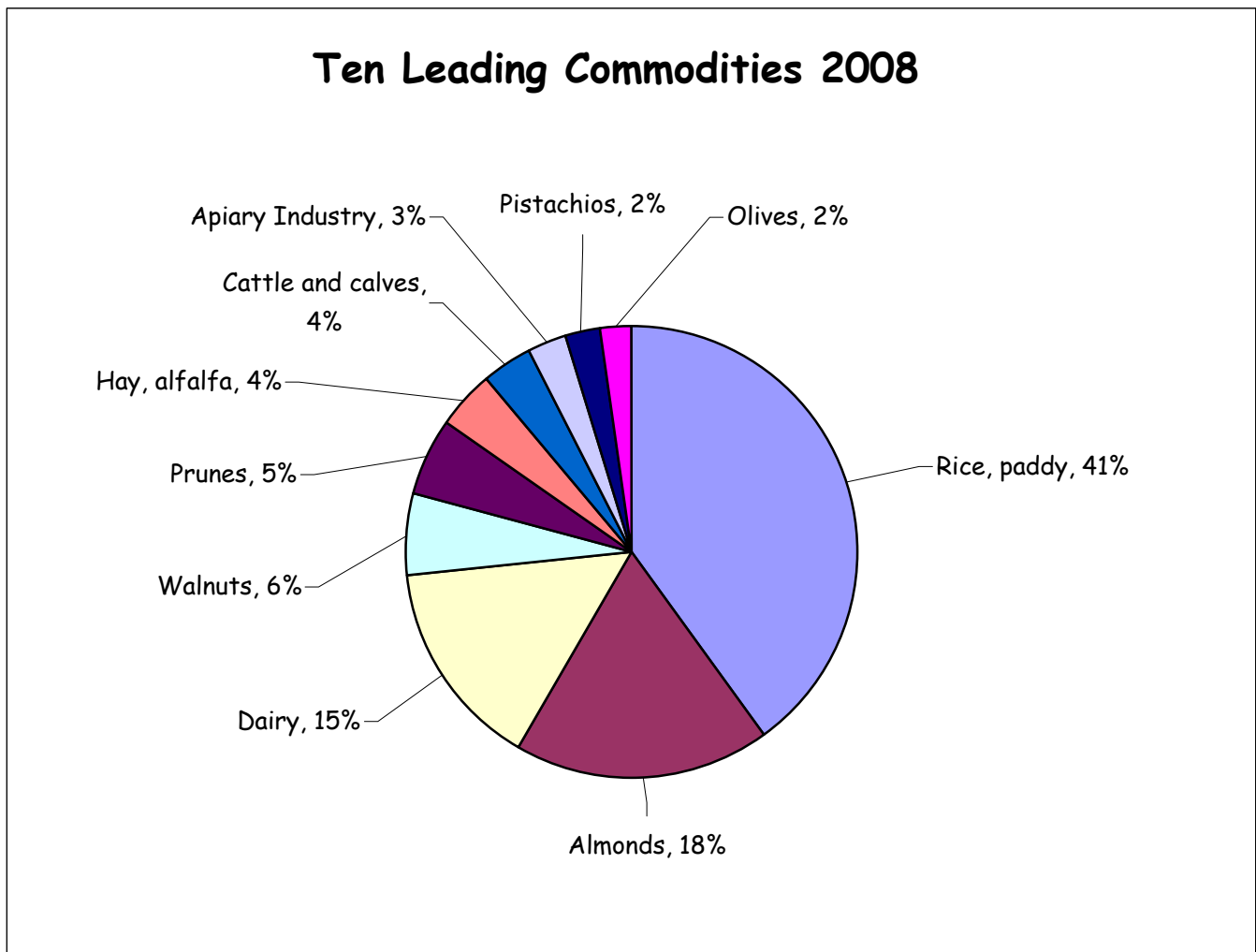
VALUE of AGRICULTURAL PRODUCTS	2007	2008
Field Crops	\$160,048,000	\$254,911,000
Fruit and Nut Crops	219,067,000	178,748,000
Livestock and Poultry Products	72,528,000	72,402,000
Livestock and Poultry	19,539,000	18,222,000
Seed Crops	9,365,000	14,975,000
Apiary Products	6,431,000	13,212,000
Nursery Products	5,548,000	5,097,000
Vegetable Crops	798,000	901,000
<b>TOTAL AGRICULTURAL PRODUCTION</b>	<b>\$493,324,000</b>	<b>\$558,468,000</b>

VALUE of FOREST PRODUCTS	2007	2008
Timber	\$380,000	\$152,000
Firewood	104,400	98,900
Christmas Trees	39,900	41,800
<b>TOTAL FOREST PRODUCTION</b>	<b>\$524,000</b>	<b>\$293,000</b>

**GRAND TOTAL ALL PRODUCTION**                      \$493,848,000                      **\$558,761,000**

# GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

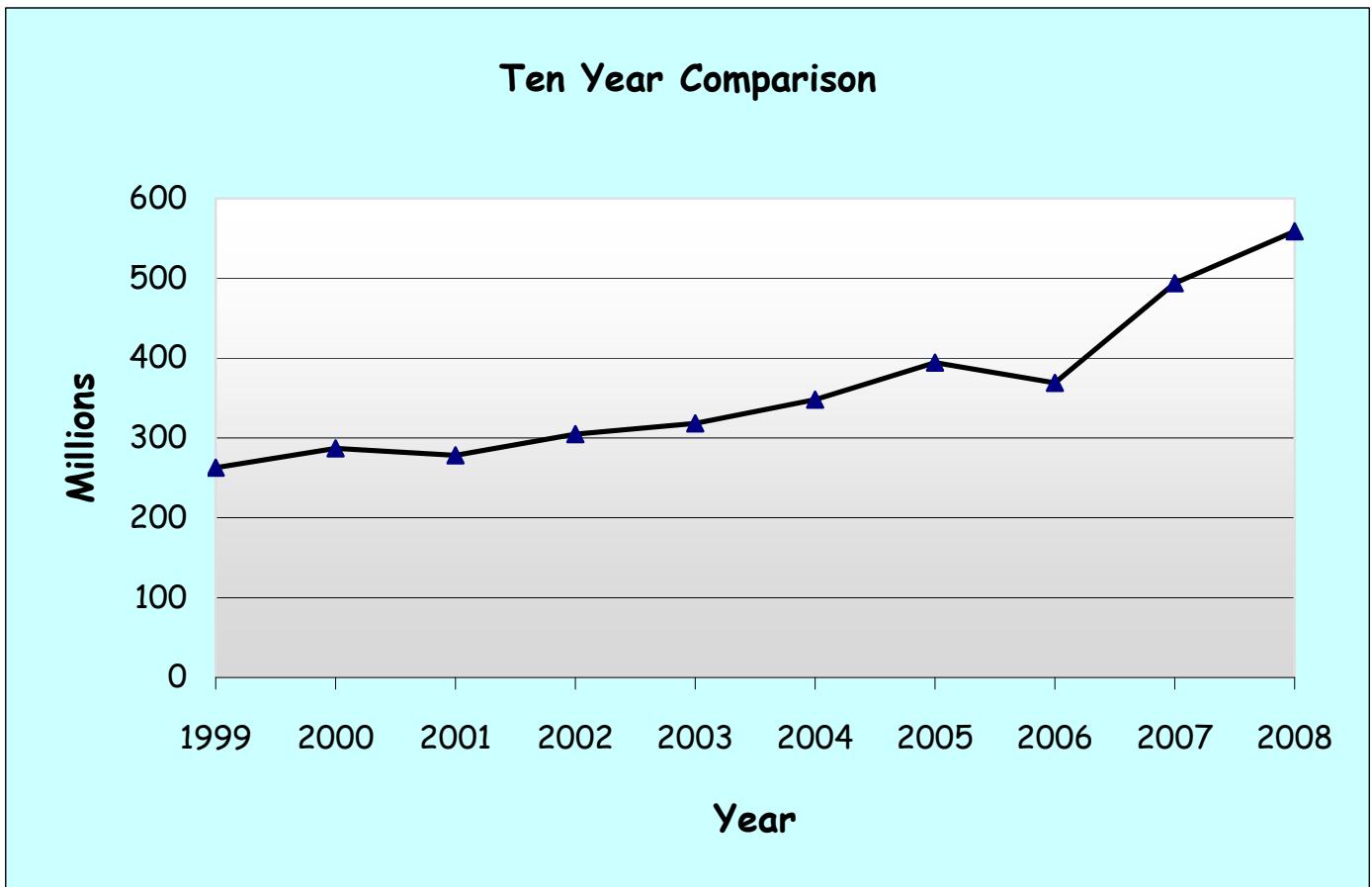
Commodity	2008 Value
1) Rice, paddy	\$193,089,000
2) Almonds	87,931,000
3) Dairy	71,944,000
4) Walnuts	29,203,000
5) Prunes	26,428,000
6) Hay, alfalfa	20,173,000
7) Cattle and Calves	17,395,000
8) Apiary Industry	13,212,000
9) Pistachios	11,668,000
10) Olives	11,108,000



# TEN YEAR PRODUCTION COMPARISON

## 1998 - 2008

<u>Year</u>	<u>Grand Total</u>
2008	\$558,761,000
2007	\$493,848,000
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



# 2008 GLENN COUNTY SUSTAINABLE AGRICULTURE

## PEST EXCLUSION

Terminal Inspections	Number of Shipments Profiled	Number of Shipments Inspected	Rejections
Postal	0	0	
Truck	40	54	19
Other	41	295	0

Origin Certification	Number of Inspections
Field Inspections	1,047
Phyto Certificates Issued	1,846

## ORGANIC FARMING

Crop	Number of Farms		Acres
	2008	2007	
Almonds	8	7	272
			271
Citrus	6	8	111
			112
Corn	1	1	901
			35
Fruit Trees	3	5	4
			13
Olives	7	5	124
			102
Pasture	5	7	399
			493
Prunes	1	1	30
			30
Rice	16	17	2,456
			2,530
Vegetables/Herbs	4	4	6
			6
Dairy/Livestock	2	2	2,100
			n/a
Miscellaneous*	7	14	1,368
			1,125
<b>Totals</b>	<b>44</b>	<b>47</b>	<b>4,864</b>
			4,717

\* Includes: wheat, triticale, clover, forage, ryegrass, safflower, other grain/forage, beans, peas, vetch and fallow ground  
*There are 47 registered growers and 2 registered handlers in Glenn County.*

# GLENN COUNTY SUSTAINABLE AGRICULTURE

## BIOLOGICAL CONTROL

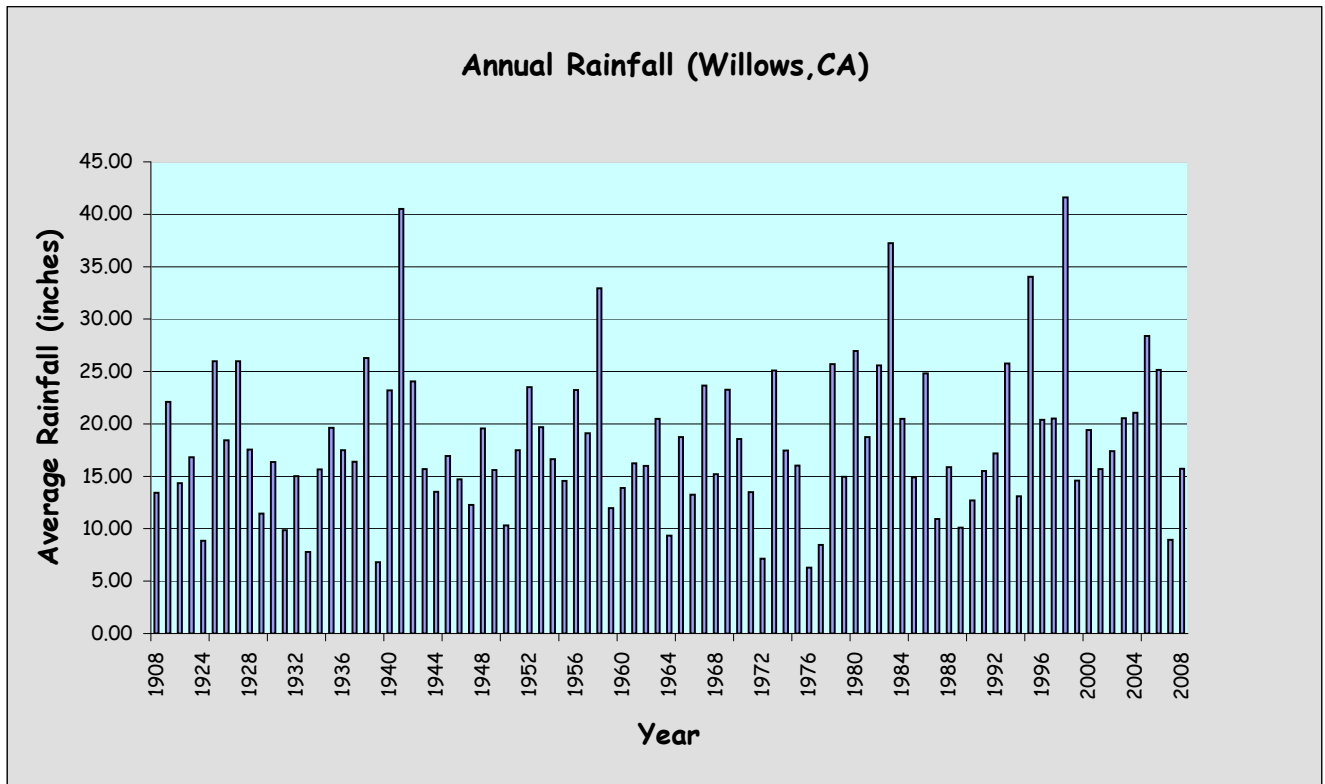
Pest	Control Agent	Program Scope
<b>Ash Whitefly</b> <i>Siphoninus phillyreae</i>	<b>Wasp</b> <i>Encarsia Sp.</i>	Established
	<b>Beetle</b> <i>Clitostethus arcuatus</i>	Established
<b>Italian Thistle</b> <i>Carduus pycnocephalus</i>	<b>Weevil</b> <i>Rhynchocyllus conicus</i>	Established
<b>Puncturevine</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>	
<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	2
<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
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	2006 - 2007	8.93
1914 - 1915	27.19	1945 - 1946	14.72	1976 - 1977	8.46	<b>2007 - 2008</b>	<b>15.71</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

**Water Resource Coordinator**

Lester Messina

**Environmental Biologists:**

Bob Birdseye    Jason Beauchamp

Craig Boschi    Jordana Ellis

Greg Hinton    Lisa Hunter

Tom Wong

**Support Staff:**

Maureen Bailey    Tina Brothers

Carrie Hubbard    Debra Hubbard

Jennifer Kline    Dottie LaCroix

**Air Pollution Staff:**

Delia Azure    Ian Ledbetter

Ben Myhre    Dana Owens

Eric Scott    Kevin Tokunaga

Candis Woods

Snow geese in rice

