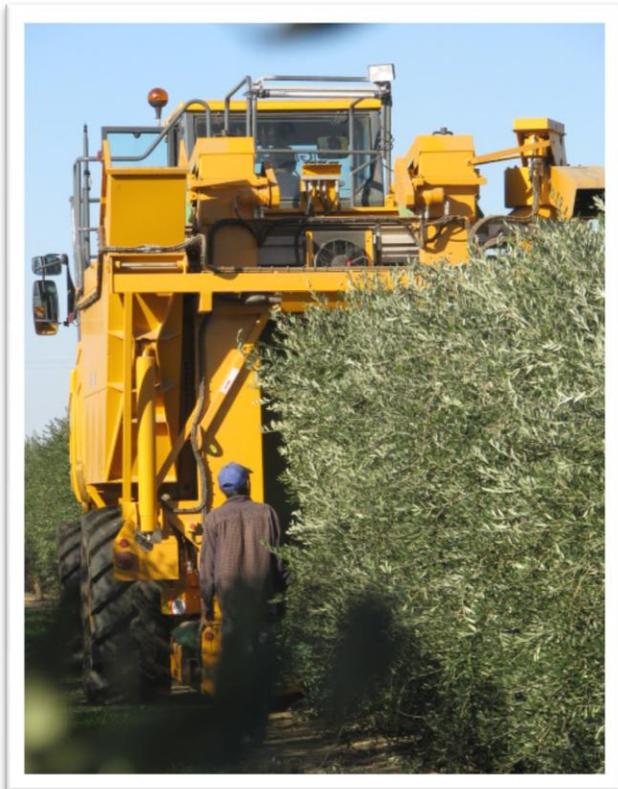


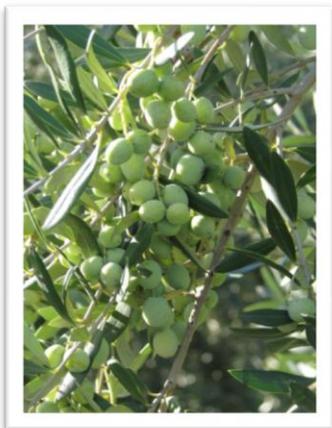
GLENN COUNTY

2009

Annual Crop & Livestock Report



harvest time for high density
olives for oil



Dedication

This year's crop report is dedicated to two special people who both retired in 2009.



Candice Woods joined our Air Pollution staff in 1990 and retired in May as the Administrative Services Officer for Air Pollution. We miss her and wish her well in her active community involvement in Willows.

Deb Hubbard joined our Agriculture staff in 1996 and retired in December as the Administrative Services Officer for the Agriculture Department. We miss her and wish her well in her new adventure as she continues with her goal of completing her college degree at Chico State University.



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: Steve Soeth District 3
John Viegas District 1
Tracy Quarne District 2
Michael Murray District 4
Leigh McDaniel District 5

I am pleased to submit the 2009 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Food and Agriculture Code which requires each County Agricultural Commissioner to summarize the acreage, production and gross value of Glenn County agricultural and forest commodities. Section 2272 of the California Food and Agriculture Code requires each County Agricultural Commissioner to report on actions taken to eradicate, control or manage pests in their county.

Agriculture continues to be the county's major industry. The 2009 gross production of agricultural commodities was valued at \$477,363,000. This represents a decrease of 15 percent from the 2008 gross agricultural production value of \$558,467,000.

Rice again is in the lead this year as the number one commodity with a total value of \$156,873,000. Almonds are in the number two spot with a value of \$81,219,000. Rice and almonds represent 41% of the top 10 commodities for 2009.

The effects of the powerful storm that hit California and especially Glenn County in January of 2008 will continue to play a role in the almond industry. Production will continue to be lower than in the last few years as newly planted almond trees come into bearing age.

The table olive industry suffered again when abnormally high temperatures at the end of May 2009 occurred during pollination resulting in a substantial loss of fruit.

The three year drought which parched our rangelands and created hardships for our cattle industry has ended with plentiful rains received during the winter months. All water users went through a lot of stress during spring planting when water was rationed.

A devastating freeze mid-December greatly affected our navel orange industry with many growers losing their entire crop. This freeze also affected many of our other tree crops by killing branches on the trees which now involves major pruning to restore the trees' vitality.

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	2009	2,394	0.93	2,214		\$700	\$1,550,000
	2008	1,713	1.10	1,884	Ton	\$1,000	\$1,884,000
CORN	2009	11,223	5.60	62,849		205	12,884,000
	2008	9,094	6.31	57,383	Ton	187	10,731,000
COTTON, LINT	2009	1,657	3.62	5,998		336	2,015,000
	2008	2,401	3.51	8,427	500 lb.	340	2,865,000
COTTON, SEED	2009			2,499		400	1,000,000
	2008			3,008	Ton	400	1,203,000
HAY, ALFALFA	2009	17,736	7.18	127,344		103	13,116,000
	2008	16,068	6.75	108,459	Ton	186	20,173,000
HAY, OTHER	2009	3,912	2.61	10,210		67	684,000
	2008	2,793	2.10	5,865	Ton	135	792,000
PASTURE, IRRIGATED	2009	7,190				162	1,165,000
	2008	6,477			Acres	162	1,049,000
RANGE	2009	230,000				7	1,610,000
	2008	230,000			Acres	7	1,610,000
RICE, PADDY	2009	89,483	4.53	405,358		387	156,873,000
	2008	77,770	4.41	342,965	Ton	563	193,089,000
SAFFLOWER	2009	information under miscellaneous for 2009					
	2008	1,030	1.50	1,545	Ton	439	678,000
SILAGE, CORN	2009	2,778	28.00	77,784		35	2,722,000
	2008	3,897	27.07	105,492	Ton	55	5,802,000
WHEAT	2009	13,125	1.85	24,281		225	5,463,000
	2008	14,902	2.03	30,251	Ton	224	6,776,000
MISCELLANEOUS	2009	21,077	2009 includes barley, organic rice, safflower and				7,535,000
	2008	21,913	straw from barley, oats, rice and wheat.				8,259,000
TOTALS	2009	400,575					\$206,617,000
	2008	388,058					\$254,911,000

1

2

3

3

4

4

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

4 Includes USDA Support Price



cotton

FRUIT and NUT CROPS

Production and Value of Agricultural Products

Commodity	Year	Bearing PRODUCTION			VALUE		
		Acreage	Per Acre	Total	Unit	Per Unit	Total
ALMONDS	2009	30,626	0.78	23,888	Meat	\$3,400	\$81,219,000
	2008	29,966	0.86	25,771	Ton	\$3,412	\$87,931,000
* ALMOND HULLS	2009			29,860	Ton	80	2,389,000
	2008			32,214		90	2,899,000
CITRUS	2009	469	1.89	886	Ton	1,028	911,000
	2008	452	4.74	2,142		692	1,482,000
** GRAPES	2009	809	8.13	6,580	Ton	327	2,152,000
	2008	809	7.60	6,148		643	3,953,000
OLIVES, Table	2009	4,275	1.45	6,214	Ton	1,112	6,988,000
	2008	4,134	2.88	11,906		933	11,108,000
OLIVES, Oil	2009	1,683	162.00	272,646	Gallon	15	4,171,000
	2008	Information under miscellaneous for 2008					
PISTACHIOS	2009	1,043	1.27	1,325	Inshell	3,112	4,123,000
	2008	1,043	2.37	2,472	Ton	4,720	11,668,000
PRUNES	2009	6,494	2.10	13,637	Dry	1,355	18,478,000
	2008	6,715	2.48	16,653	Ton	1,587	26,428,000
WALNUTS	2009	14,173	1.86	26,362	Inshell	1,437	37,882,000
	2008	13,520	1.80	24,336	Ton	1,200	29,203,000
MISCELLANEOUS	2009	387	2009 includes apricots, black walnuts, blueberries,				1,936,000
	2008	657	cherries, kiwis, peaches, pecans and Asian pears.				2,126,000
TOTALS	2009	58,276					\$156,078,000
	2008	57,296					\$176,798,000



almonds in bloom and the resulting nuts



* revised total production figure

** revised acreage figure

NURSERY PRODUCTS

Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
TOTALS	2009	280	Includes grapes for rootstock, potted plants, sod and strawberry plants
	2008	290	\$4,854,000 \$5,097,000



sod ready to harvest

VEGETABLE CROPS

Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	PRODUCTION		VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	
TOTALS	2009	525	Includes cucumbers, eggplant, melons, onion bulbs, peppers, pumpkins, squash, strawberries, sweet corn, tomatoes (fresh and processed) and watermelons				\$2,196,000
	2008	242					\$901,000

FOREST PRODUCTS

Production and Value of Forest Products

COMMODITY	YEAR	PRODUCTION		VALUE	
		UNIT	PER UNIT	UNIT	PER UNIT
CHRISTMAS TREES	2009	1,900	Each	\$23.00	\$43,700
	2008	1,900		\$22.00	\$41,800
FIREWOOD	2009	860	Cord	115.00	98,900
	2008	860		115.00	98,900
TIMBER	2009	0	Board Ft	0.00	0
	2008	1,173,000		0.13	152,000
TOTALS	2009				\$142,600
	2008				\$292,700





APIARY PRODUCTS

Production and Value of Agricultural Products



COMMODITY	YEAR	PRODUCTION			VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL	
BEESWAX	2009	1,000			\$1.50	\$1,500
	2008	1,800	Lbs		\$1.89	\$3,400
HONEY	2009	180,000			1.00	180,000
	2008	95,000	Lbs		1.33	126,000
PACKAGED BEES	2009	173,172			11.46	1,985,000
	2008	156,400	Lbs		10.95	1,713,000
POLLINATION	2009					8,436,000
	2008					7,641,000
QUEEN BEES	2009	208,283			15.80	3,291,000
	2008	251,100	Each		14.85	3,729,000
TOTALS	2009					\$13,894,000
	2008					\$13,212,000



SEED CROPS

Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2009	1,033	2,213	2,286,029	Lbs	\$0.50	\$1,143,000
	2008	252	1,972	496,944		\$0.59	\$293,000
RICE	2009	2,359	9,551	22,530,809	Lbs	0.33	7,435,000
	2008	2,800	9,465	26,502,000		0.29	7,686,000
SUNFLOWER	2009	4,275	1,139	4,869,225	Lbs	1.19	5,794,000
	2008	2,790	894	2,494,260		1.61	4,016,000
VINE CROPS	2009	3,742	Includes cucumbers, melons, pumpkins, squash				5,808,000
	2008	641	and watermelons				1,698,000
OTHER SEED	2009	1,151	Includes barley, carrots, coriander and onions				12,738,000
	2008	1837					1,282,000
TOTALS	2009	12,560					\$32,918,000
	2008	8,320					\$14,975,000



checking bees

curcurbit field for seed



LIVESTOCK and POULTRY

Production and Value of Agricultural Products

COMMODITY	YEAR	NUMBER	TOTAL	UNIT	PER UNIT	VALUE	
		OF HEAD	WEIGHT			TOTAL	
CATTLE and CALVES	2009	28,522	191,715	Cwt	\$79.81	\$15,310,000	
	2008	31,184	209,828		\$82.90	\$17,394,000	
SHEEP and LAMBS	2009	6,478	6,672	Cwt	88.70	592,000	
	2008	7,041	7,252		91.30	662,000	
HOGS and PIGS	2009	1,835	3,303	Cwt	42.50	140,000	
	2008	1,892	3,406		48.50	165,000	
POULTRY	2009	Included under Livestock and Poultry Products to protect individual operations.					
	2008						
TOTALS	2009						\$16,042,000
	2008						\$18,221,000

LIVESTOCK and POULTRY PRODUCTS

Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION	UNIT	PER UNIT	VALUE
					TOTAL
MILK: Market	2009	3,672,894	Cwt	\$11.55	\$42,422,000
	2008	4,135,661		\$16.76	\$69,314,000
MILK: Manufacturing	2009	152,659	Cwt	11.99	1,830,000
	2008	139,906		18.80	2,630,000
WOOL	2009	65,622	Lbs	0.85	55,800
	2008	71,325		0.99	70,600
MISCELLANEOUS	2009				456,000
	2008				387,000
TOTALS	2009				\$44,764,000
	2008				\$72,402,000



dog guarding sheep

VALUE of AGRICULTURAL and FOREST PRODUCTION

VALUE of AGRICULTURAL PRODUCTS	2008	2009
Field Crops	\$254,911,000	\$206,617,000
Fruit and Nut Crops	178,748,000	156,078,000
Livestock and Poultry Products	72,402,000	44,764,000
Livestock and Poultry	18,221,000	16,042,000
Seed Crops	14,975,000	32,918,000
Apiary Products	13,212,000	13,894,000
Nursery Products	5,097,000	4,854,000
Vegetable Crops	901,000	2,196,000
TOTAL AGRICULTURAL PRODUCTION	\$558,467,000	\$477,363,000

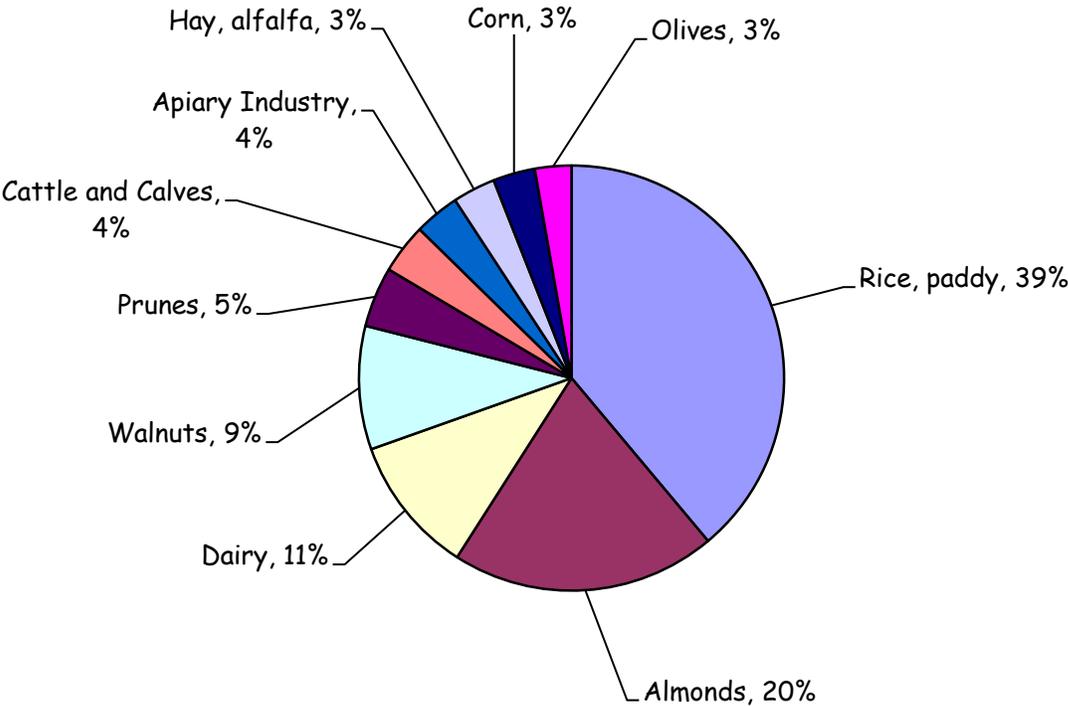
VALUE of FOREST PRODUCTS	2008	2009
Timber	\$152,000	\$0
Firewood	98,900	98,900
Christmas Trees	41,800	43,700
TOTAL FOREST PRODUCTION	\$293,000	\$143,000

GRAND TOTAL ALL PRODUCTION \$558,760,000 **\$477,506,000**

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

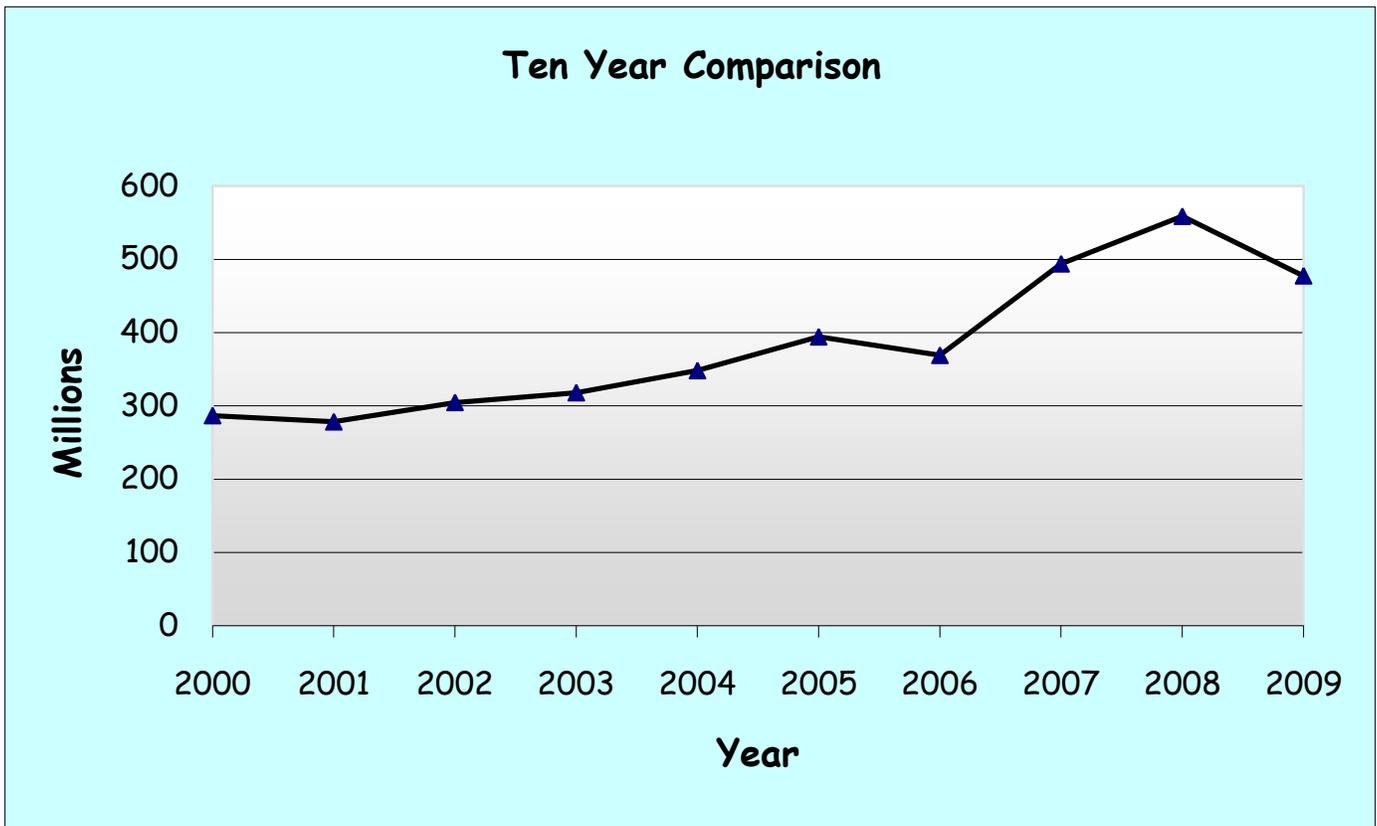
Commodity	2009 Value
1) Rice, paddy	\$156,873,000
2) Almonds	81,219,000
3) Dairy	42,422,000
4) Walnuts	37,882,000
5) Prunes	18,478,000
6) Cattle and Calves	15,310,000
7) Apiary Industry	13,894,000
8) Hay, alfalfa	13,116,000
9) Corn	12,884,000
10) Olives	11,159,000

Ten Leading Commodities 2009



TEN YEAR PRODUCTION COMPARISON 2000 - 2009

<u>Year</u>	<u>Grand Total</u>
2009	\$477,506,000
2008	\$558,760,000
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



2009 GLENN COUNTY SUSTAINABLE AGRICULTURE

PEST EXCLUSION

Terminal Inspections	Number of Shipments Profiled	Number of Containers Inspected	Rejections
Postal	0	0	0
Truck	69	3,265	3
Other	3,265	16,041	0

Origin Certification	Number of Inspections
Field Inspections	474
Phyto Certificates Issued	2,585

ORGANIC FARMING

Crop	Number of Farms		Acres
Almonds	2009	8	273
	2008	8	272
Citrus	2009	5	105
	2008	6	111
Olives	2009	4	124
	2008	7	124
Pasture	2009	6	561
	2008	5	399
Rice	2009	12	2,046
	2008	16	2,456
Ryegrass	2009	3	562
	2008	3	562
Wheat	2009	3	798
	2008	3	728
Miscellaneous*	2009	17	423
	2008	16	657
Processors/Handlers	2009	3	N/A
	2008	3	N/A
Totals**	2009	42	4,892
	2008	44	5,309

* Includes: triticale, corn, forage, safflower, other grain/forage, wild rice, pistachio, prunes, dairy cows, fruit trees, vegetables, herbs and fallow ground.

** Total number of registered growers, handlers and processors.

GLENN COUNTY SUSTAINABLE AGRICULTURE

BIOLOGICAL CONTROL

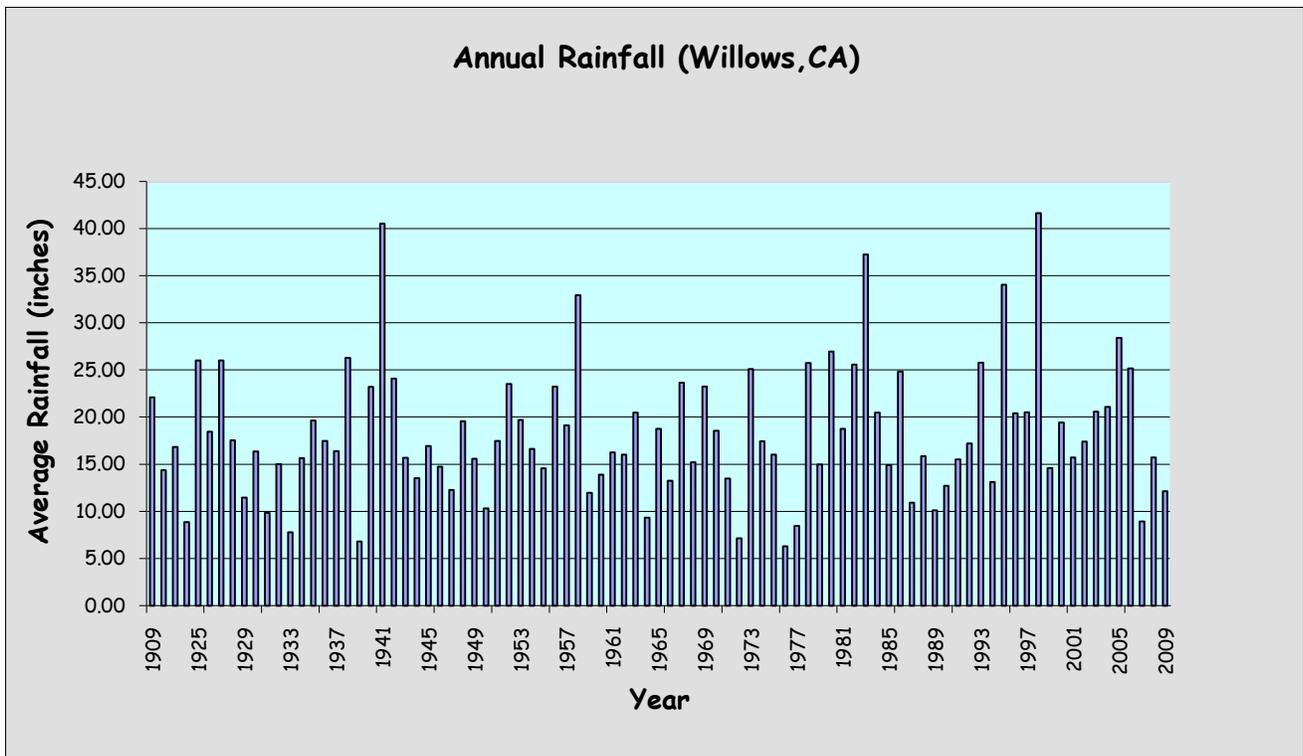
Pest	Control Agent	Program Scope
Ash Whitefly <i>Siphoninus phillyreae</i>	Wasp <i>Encarsia Sp.</i>	Established
	Beetle <i>Clitostethus arcuatus</i>	Established
Italian Thistle <i>Carduus pycnocephalus</i>	Weevil <i>Rhynchocyllus conicus</i>	Established
Puncturevine <i>Tribulus terrestris</i>	Stem and Seed Weevils <i>Microlarinus lypriformis</i> <i>Microlarinus lareyniei</i>	Established Established
Yellow Starthistle <i>Centaurea solstitialis</i>	Weevil <i>Banqasternus orientalis</i> <i>Eustenopus villosus</i>	Established Established
	Fly <i>Urophora sirunaseva</i> <i>Chaetorellia australis</i>	Established Established
	Rust <i>Puccinia jaceae</i>	Not established
Red Gum Lerp Psyllid <i>Glycaspis brimblecombei</i>	Fly <i>Psyllaphaeus bliteus</i>	Established

PEST ERADICATION

Pest	Control Agent	Number of Locations
Canada Thistle <i>Cirsium arvense</i>	Chemical/Mechanical	2
Dyer's Woad <i>Isatis tinctoria</i>	Chemical/Mechanical	11
Perennial Pepperweed <i>Lepidium latifolium</i>	Chemical/Mechanical	39
Plumeless Thistle <i>Carduus acanthoides</i>	Chemical/Mechanical	3
Russian Knapweed <i>Acroptilon repens</i>	Chemical	2
Silverleaf Nightshade <i>Solanum elaeagnifolium</i>	Chemical/Mechanical	27
Hoarycress (Whitetop) <i>Cardaria draba</i>	Chemical/Mechanical	10
Purple Starthistle <i>Centaurea calcitrapa</i>	Chemical/Mechanical	2
Diffuse Knapweed <i>Centaurea diffusa</i>	Chemical/Mechanical	1
Klamath Weed <i>Hypericum perforatum</i>	Chemical/Mechanical	4
Barbed Goatgrass <i>Aegilops triuncialis</i>	Chemical/Mechanical	2
Tree of Heaven <i>Ailanthus altissima</i>	Chemical/Mechanical	2

ANNUAL RAINFALL at WILLOWS, CALIFORNIA

Year	Inches	Year	Inches	Year	Inches	Year	Inches
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	2007 - 2008	15.71
1915 - 1916	18.11	1946 - 1947	12.28	1977 - 1978	25.72	2008 - 2009	12.12



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:

Jason Beauchamp Craig Boschi

Greg Hinton Lisa Hunter

Tom Wong

Support Staff:

Maureen Bailey Tina Brothers

Carnie Hubbard Debra Hubbard

Jennifer Kline Dottie LaCroix

John Tolley

Air Pollution Staff:

Delia Azure Gaylee Curcio

Ian Ledbetter Ben Myhre

Dana Owens Eric Scott

Kevin Tokunaga Candis Woods

Sunset from Willows,
the County seat

