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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

# Glenn County

2000-2004

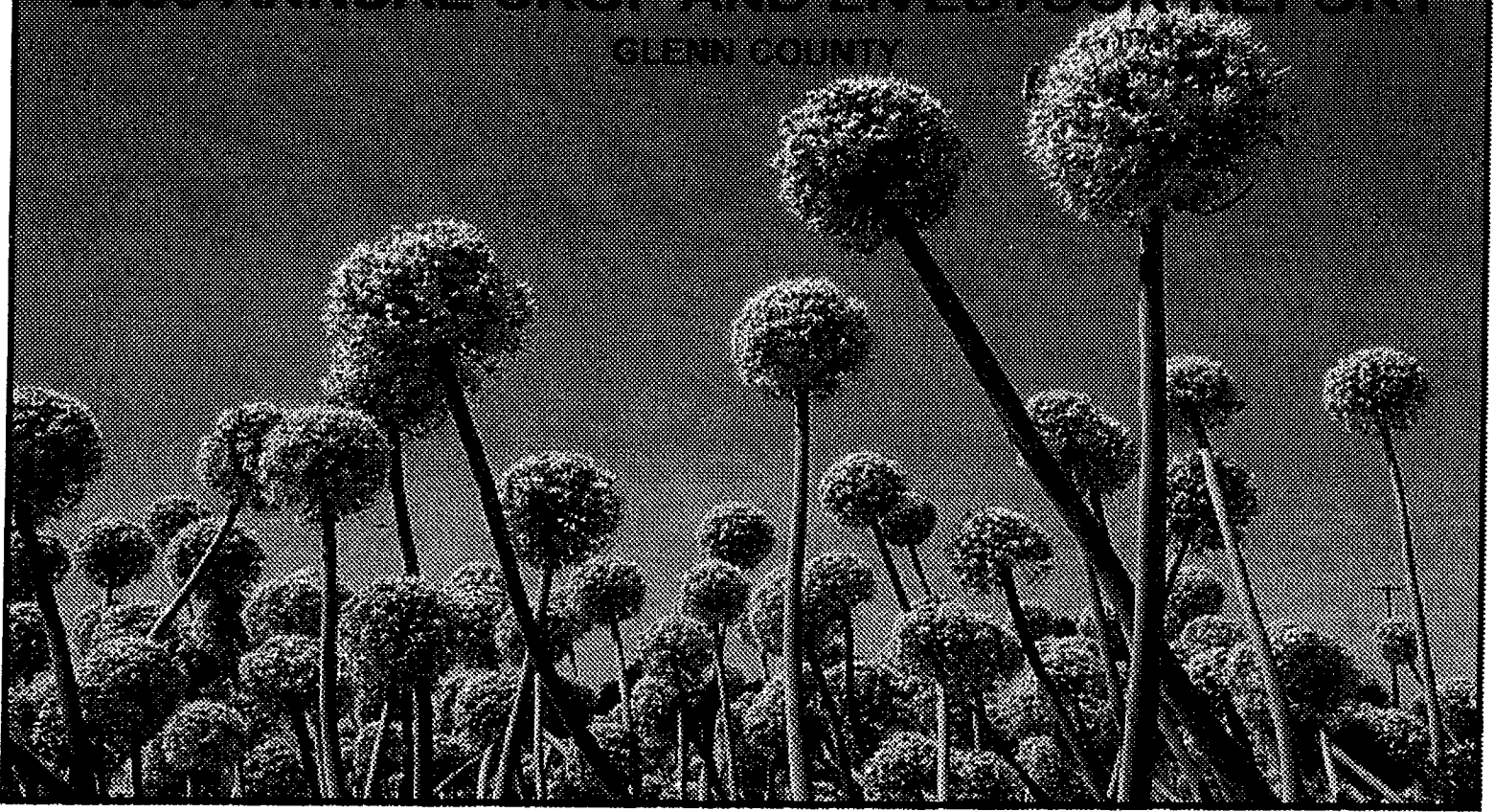
California County Agricultural Commissioners' Reports from the California Department of Food and Agriculture. This collection consists of annual crop and livestock data from each of the 58 California Counties. The collection covers 1915-1981; digitization of the rest of the collection is forthcoming.

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# 2000 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY



## **ONIONS**

**These onions will produce seed for worldwide export. Onion seed production, along with carrot seed production, have been increasing in acreage in the last three years. Seed production in Glenn County is the fifth leading commodity produced.**

**Photo courtesy of Jean Miller**

**GLENN COUNTY  
DEPARTMENT OF AGRICULTURE**

P. O. Box 351  
720 North Colusa Street  
WILLOWS, CALIFORNIA 95988

**2000 ANNUAL CROP  
AND LIVESTOCK REPORT**

**GLENN COUNTY BOARD OF SUPERVISORS**

Denny Bungarz, Chairman

Keith Hansen  
Charles Harris, Sr.

Gary Freeman  
Dick Mudd

**PERSONNEL**

**Agriculture Staff:**

Ed Romano ..... Agricultural Commissioner  
W. R. Duckworth, Jr. .... Assistant Commissioner  
Ernie Simpson ..... Deputy Commissioner  
John F. B. Tolley ..... Environmental Biologist  
Rey Lopez ..... Environmental Biologist  
Jean Miller ..... Environmental Biologist  
Bob Birdseye ..... Environmental Biologist  
Helmut Bloo ..... Environmental Biologist  
Debra Hubbard ..... Administrative Service Officer  
Maureen Bailey ..... Administrative Assistant  
Tina Brothers ..... Senior Secretary

**Air Pollution Staff:**

Kevin Tokunaga ..... Program Manager  
Rick Steward ..... Program Manager  
Candy Woods ..... Administrative Service Officer  
Trudy Silveira ..... Office Technician  
Colleen Gustafson ..... Senior Secretary  
Patrick Way ..... Air Pollution Specialist

County of **Glenn** DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner  
Sealer of Weights and Measures

WILLIAM R. DUCKWORTH, Assistant Commissioner  
Assistant Sealer

June 13, 2001

William (Bill) J. Lyons Jr., Secretary  
California Department of Food and Agriculture  
1220 N. Street, Suite 409  
Sacramento, CA 95814

Dear Secretary Lyons,

I am pleased to submit the 2000 annual crop and livestock report for Glenn County as required by Section 2279 of the California Food and Agricultural Code. This report summarizes the acreage, production and value of Glenn County's Agricultural and Forest Commodities.

Agricultural production for 2000 shows a gross value of \$281,005.00, an increase of \$24,170.00 as compared to 1999. Rice continues to be the leading commodity produced in Glenn County, with a production value of \$102,538,000. Orchard production continues to increase with a gross value of \$67,001,000 for this year. Due to favorable weather for apiary production, all aspects of apiary products are up.

Sugarbeets are again listed in the top ten commodities produced in the County. Future production will end in 2000 with the closure of processing plants in the area.

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

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report. Members of my staff should be commended in their efforts to compile this report.

Yours truly,



Ed Romano  
Agricultural Commissioner

ER: cb

720 N. Colusa St.  
P.O. Box 351  
Willows, CA 95988

Phone: (530) 934-6501  
Fax: (530) 934-6503  
Email: [gcairag@maxinet.com](mailto:gcairag@maxinet.com)

# Production and Value of Agricultural Products

## FIELD CROPS – 1999-2000

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	2000	1,505	.82	1,240	Ton	531.00	658,000
	1999	1,380	.87	1,200	"	562.00	674,000
Corn	2000	16,285	6.85	111,620	"	89.40	9,979,000
	1999	15,685	5.50	86,268	"	85.00	7,333,000
Cotton, Lint	2000	1,799	2.29	4,111	500 lb.	346.00	1,423,000
	1999	598	2.36	1,411	Bale	368.00	520,000
Cotton, Seed	2000			1,748	Ton	150.00	262,000
	1999			600	"	150.00	90,000
Hay Alfalfa	2000	15,067	6.50	97,936	"	85.00	8,325,000
	1999	14,236	7.00	99,652	"	80.00	7,972,000
Hay Other	2000	3,418	3.25	11,109	"	50.00	555,000
	1999	3,030	2.50	7,575	"	60.00	454,000
Hay Sudangrass	2000	812	4.00	3,248	Ton	100.00	325,000
Pasture Irrigated	2000	16,270			Acre	130.00	2,115,000
	1999	16,270			"	120.00	1,952,000
Range	2000	230,000			"	7.00	1,610,000
	1999	230,000			"	7.00	1,610,000
Rice, ** Paddy	2000	87,383	4.30	378,368	Ton	271.00	102,538,000
	1999	82,980	3.75	311,175	"	290.00	90,241,000
Safflower	2000	1,195	.70	835	"	220.00	184,000
	1999	1,650	.75	1,125	"	300.00	371,000
Silage	2000	2,415	28.00	67,620	"	23.50	1,589,000
	1999	2,600	28.00	72,800	"	20.00	1,456,000
Grain Sorghum	2000	303	2.80	848	"	85.00	72,000
	1999	316	2.80	885	"	83.00	73,000
Sugar Beets	2000	3,601	34.46	124,100	"	38.18	4,738,000
	1999	3,110	33.50	104,190	"	40.00	4,168,000
Wheat	2000	17,127	2.70	46,243	"	83.50	3,861,000
	1999	15,104	2.75	41,536	"	89.00	3,697,000
Miscellaneous	2000	548					618,000
	1999	1000					559,000*
<b>TOTALS</b>	<b>2000</b>	<b>390,829</b>					<b>\$138,852,000</b>
	<b>1999</b>	<b>387,959</b>					<b>\$121,170,000*</b>

\*\*Includes USDA Support Price

\* Revised

## VEGETABLE CROPS – 1999-2000

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Totals	2000	2,166					4,069,000
	1999	1,603					4,277,000

# Production and Value of Agricultural Products

## APIARY PRODUCTS – 1999-2000

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	2000	822,000	Lb.	\$ .51	\$421,000
	1999	18,000	"	.50	9,000
Beeswax	2000	12,000	"	1.08	13,000
	1999	4,000	"	2.00	8,000
Packaged Bees	2000	130,000	"	5.68	739,000
	1999	94,000	"	5.33	501,000
Queen Bees	2000	107,000	Each	7.50	803,000
	1999	88,000	"	7.32	644,000
Pollination	2000				1,749,000
	1999				1,281,000
<b>TOTALS</b>	<b>2000</b>				<b>\$3,725,000</b>
	<b>1999</b>				<b>\$2,443,000</b>

## SEED CROPS – 1999-2000

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	2000	7,558	1,747	13,209,780	Lb.	\$ .31	\$4,080,000
	1999	4,375	1,545	6,759,005	"	.34	2,290,000
Clover, all	2000	2,542	452	1,150,120	"	1.34	1,545,000
	1999	2,517	491	1,235,260	"	1.38	1,702,000
Rice	2000	2,791	8,680	24,228,484	"	.104	2,520,000
	1999	2,257	7,673	17,317,961	"	.106	1,836,000
Sunflower	2000	6,799	1,457	9,906,364	"	.42	4,161,000
	1999	10,053	1,045	10,501,625	"	.46	4,816,000
Vine Crops	2000	608					803,000
	1999	3,095					3,650,000
Other Seed	2000	881					503,000
	1999	1,962					1,132,000
<b>TOTALS</b>	<b>2000</b>	<b>21,179</b>					<b>\$13,612,000</b>
	<b>1999</b>	<b>24,259</b>					<b>\$15,471,000*</b>

\* Revised



# Production and Value of Agricultural Products

## LIVESTOCK AND POULTRY – 1999-2000

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	2000	31,917	235,162	Cwt.	\$69.89	16,436,000
	1999	25,500	186,660	"	64.30	12,002,000
Sheep and Lambs	2000	7,237	7,454	"	78.20	583,000
	1999	7,310	7,529	"	74.80	563,000
Hogs and Pigs	2000	1,790	3,079	"	44.10	136,000
	1999	1,760	3,027	"	35.10	106,000
Poultry	2000	Included under Livestock and Poultry Products to protect individual operations.				
	1999					
<b>TOTALS</b>	<b>2000</b>					<b>\$17,155,000</b>
	<b>1999</b>					<b>\$12,671,000</b>

## LIVESTOCK AND POULTRY PRODUCTS – 1999-2000

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	2000	2,942,862	Cwt.	\$ 11.18	\$32,891,000
	1999	3,148,077	"	13.26	41,747,000
Market	2000	2,607,684	"	11.31	29,504,000
	1999	2,642,751	"	13.29	35,122,000
Manufacturing	2000	335,178	"	10.10	3,387,000
	1999	505,326	"	13.11	6,625,000
Wool	2000	73,309	Lb.	.30	22,000
	1999	74,050	"	.31	23,000
Miscellaneous	2000				246,000
	1999				230,000
<b>TOTALS</b>	<b>2000</b>				<b>\$33,159,000</b>
	<b>1999</b>				<b>\$42,000,000</b>

## NURSERY PRODUCTS – 1999-2000

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Totals	2000	244	\$3,224,000
	1999	248	\$3,469,000

# Production and Value of Agricultural Products

## FRUIT AND NUT CROPS – 1999-2000

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	2000	25,433	.53	13,432	Meat	\$2,069.00	\$27,791,000
	1999	22,562	.49	11,135	Ton	1,676.00	18,662,000*
Almond Hulls	2000			16,790	Ton	80.00	1,343,000
	1999			13,918	"	80.00	1,114,000*
Citrus	2000	690	6.49	4,476	"	292.00	1,308,000
	1999	714	6.30	4,496	"	287.00	1,289,000
Grapes	2000	1,219	7.15	8,718	"	232.00	2,022,000
	1999	835	6.80	5,683	"	400.00	2,273,000
Olives	2000	4,645	1.78	8,285	"	642.00	5,323,000
	1999	4,490	4.16	18,704	"	442.00	8,267,000*
Pistachios	2000	947	1.19	1,132	Inshell	1,960.00	2,219,000
	1999	868	1.02	890	Ton	2,900.00	2,581,000
Prunes	2000	9,121	2.44	22,235	Dry	813.00	18,077,000
	1999	8,392	1.87	15,667	Ton	939.00	14,711,000
Walnuts	2000	7,828	.92	7,229	Inshell	1,195.00	8,640,000
	1999	7,169	1.18	8,477	Ton	775.00	6,570,000
Miscellaneous Fruits and Nuts	2000	130					278,000
	1999	116					75,000
<b>TOTALS</b>	<b>2000</b>	<b>50,013</b>					<b>\$67,001,000</b>
	<b>1999</b>	<b>41,353</b>					<b>\$55,542,000*</b>

# Production and Value of Forest Products

## FOREST PRODUCTS – 1999-2000

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	2000	16,522,000	Board	\$ .34	\$5,634,000
	1999	29,728,000	Feet	.32	9,385,000*
Firewood	2000	801	Cord	85.00	68,000
	1999	760	"	85.00	65,000
Christmas Trees	2000	1,680	Each	20.00	34,000
	1999	1,700	"	20.00	34,000
<b>TOTALS</b>	<b>2000</b>				<b>\$5,736,000</b>
	<b>1999</b>				<b>\$9,484,000*</b>

\* Revised

# Production and Value of Agricultural Products

## GLENN COUNTY SUSTAINABLE AGRICULTURE – 1999-2000

### PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	103	0	
United Parcel Service	0	0	
Truck	1426	0	
Other	1605	1	

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	411
Phyto Certificates Issued	1,320

### ORGANIC FARMING - 1999-2000

CROP	NUMBER OF FARMS	ACRES
Almonds	4	115
Rice	10	2,176
Citrus	4	147
Olives	4	65
Vegetables/Herbs	4	8
Fruit trees	2	5
Walnuts	1	20
Hay/Pasture	2	16

# Production and Value of Agricultural Products

## GLENN COUNTY SUSTAINABLE AGRICULTURE – 1999-2000

### BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White-Fly <u>Siphonius phillyreae</u>	Wasp <u>Encarsia Sp.</u>	Established
	Beetle <u>Clitostethus arcuatus</u>	Established
Italian Thistle <u>Carduus pychocephalus</u>	Weevil <u>Rhenocyllus conicus</u>	Established
Puncturevine <u>Tribulus terrestris</u>	Stem and Seed Weevils <u>Micro lypriformis</u> <u>Microlarinus lareyniei</u>	Established
Yellow Star Thistle <u>Centaurea solstitialis</u>	Weevil <u>Bangasternus orientals</u> <u>Eustenopus villosus</u> <u>Larinus curtus</u>	Established Established 2 Release Sites
	Fly <u>Urophra sirunaseva</u> <u>Chastorellia australis</u>	Established Established
Bull Thistle <u>Cirsium vulgare</u>	Fly <u>Urophra stylata</u>	6 Release Sites

### PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <u>Cirsium arvense</u>	Chemical - Mechanical	4
Dyer's Woad <u>Isatis tinctoria</u>	Chemical - Mechanical	3
Hoary Cress (Whitetop) <u>Cardaria draba</u>	Chemical	0
Perennial Peppergrass <u>Lepidium latifolium</u>	Chemical	10
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	3
Russian Knapweed <u>Centaurea repens</u>	Chemical	3
White Horsenettle <u>Solanum elaeagnifolium</u>	Chemical	20
Diffuse Knapweed <u>Centaurea diffusa</u>	Chemical	3
Artichoke Thistle <u>Cynara cardunculus</u>	Mechanical	1
Purple Star Thistle <u>Centaurea calcitrapa</u>	Chemical	1

## VALUE OF AGRICULTURAL AND FOREST PRODUCTION

### GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1999	2000
Field Crops .....	\$121,170,000*	\$138,852,000
Fruit and Nut Crops .....	55,542,000*	67,001,000
Livestock and Poultry Products .....	42,000,000	33,159,000
Livestock and Poultry .....	12,671,000	17,155,000
Seed Crops .....	15,471,000*	13,612,000
Vegetable Crops .....	4,069,000	4,277,000
Apiary Products .....	2,443,000	3,725,000
Nursery Products .....	3,469,000	3,224,000
<b>Total Agricultural Production .....</b>	<b>\$256,835,000</b>	<b>\$281,005,000</b>

#### Value of Forest Products

Timber .....	\$9,385,000*	\$5,634,000
Firewood .....	65,000	68,000
Christmas Trees .....	34,000	34,000
<b>Total Forest Products .....</b>	<b>\$9,484,000*</b>	<b>5,736,000</b>

**Grand Total All Production .....** \$266,319,000 ..... \$286,741,000

### GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

2000

Commodity	2000 Value
1. Rice, paddy .....	\$102,538,000
2. Dairy Products .....	32,891,000
3. Almonds .....	27,791,000
4. Prunes .....	18,077,000
5. Cattle and calves .....	16,436,000
6. Corn .....	9,979,000
7. Walnuts .....	8,640,000
8. Hay, Alfalfa .....	8,325,000
9. Olives .....	5,323,000
10. Sugar Beets .....	4,738,000

\* Revised

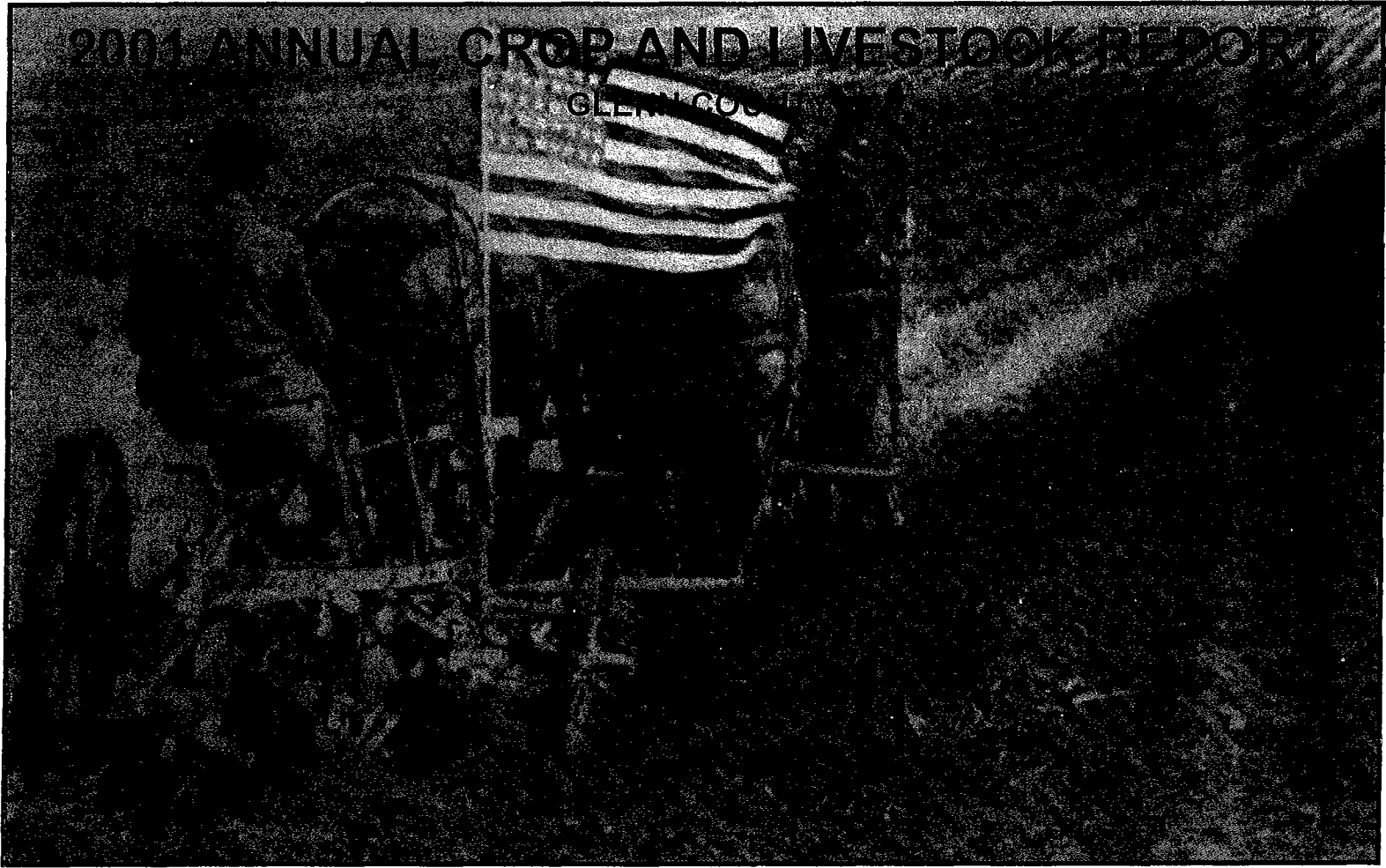
# ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

## 121 YEARS – 1879 - 2000

Year	Inches	Year	Inches	Year	Inches
1879-1880	13.96	1919-1920	7.70	1959-1960	13.88
1880-1881	13.85	1920-1921	21.28	1960-1961	16.24
1881-1882	8.28	1921-1922	13.44	1961-1962	16.01
1882-1883	8.45	1922-1923	16.81	1962-1963	20.48
1883-1884	18.84	1923-1924	8.86	1963-1964	9.34
1884-1885	7.80	1924-1925	25.99	1964-1965	18.75
1885-1886	19.15	1925-1926	18.44	1965-1966	13.26
1886-1887	8.07	1926-1927	25.99	1966-1967	23.65
1887-1888	8.97	1927-1928	17.54	1967-1968	15.21
1888-1889	10.30	1928-1929	11.46	1968-1969	23.25
1889-1890	29.94	1929-1930	16.37	1969-1970	18.56
1890-1891	19.01	1930-1931	9.85	1970-1971	13.50
1891-1892	18.82	1931-1932	15.01	1971-1972	7.15
1892-1893	27.30	1932-1933	7.79	1972-1973	25.11
1893-1894	11.15	1933-1934	15.65	1973-1974	17.45
1894-1895	26.04	1934-1935	19.62	1974-1975	16.03
1895-1896	22.18	1935-1936	17.48	1975-1976	6.30
1896-1897	18.82	1936-1937	16.40	1976-1977	8.46
1897-1898	6.58	1937-1938	26.28	1977-1978	25.72
1898-1899	13.05	1938-1939	6.82	1978-1979	14.97
1899-1900	15.23	1939-1940	23.21	1979-1980	26.95
1900-1901	17.49	1940-1941	40.50	1980-1981	18.76
1901-1902	21.67	1941-1942	24.07	1981-1982	25.58
1902-1903	17.10	1942-1943	15.68	1982-1983	37.25
1903-1904	20.28	1943-1944	13.52	1983-1984	20.47
1904-1905	24.55	1944-1945	16.94	1984-1985	14.89
1905-1906	19.85	1945-1946	14.72	1985-1986	24.82
1906-1907	17.88	1946-1947	12.28	1986-1987	10.92
1907-1908	13.44	1947-1948	19.56	1987-1988	15.86
1908-1909	22.09	1948-1949	15.59	1988-1989	10.12
1909-1910	14.36	1949-1950	10.32	1989-1990	12.71
1910-1911	17.75	1950-1951	17.48	1990-1991	15.51
1911-1912	11.26	1951-1952	23.50	1991-1992	17.19
1912-1913	13.18	1952-1953	19.70	1992-1993	25.76
1913-1914	29.18	1953-1954	16.64	1993-1994	13.10
1914-1915	27.19	1954-1955	14.57	1994-1995	34.04
1915-1916	18.11	1955-1956	23.24	1995-1996	20.39
1916-1917	11.43	1956-1957	19.11	1996-1997	20.52
1917-1918	11.90	1957-1958	32.93	1997-1998	41.62
1918-1919	12.90	1958-1959	11.96	1998-1999	14.59
				1999-2000	19.43

# 2001 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY



**GLENN COUNTY  
DEPARTMENT OF AGRICULTURE**

P. O. Box 351  
720 North Colusa Street  
WILLOWS, CALIFORNIA 95988

**2001 ANNUAL CROP  
AND LIVESTOCK REPORT**

**GLENN COUNTY BOARD OF SUPERVISORS**

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# County of Glenn

## DEPARTMENT OF AGRICULTURE

**ED ROMANO**, Agricultural Commissioner  
Sealer of Weights and Measures

**WILLIAM R. DUCKWORTH**, Assistant Commissioner  
Assistant Sealer

William (Bill) J. Lyons Jr., Secretary  
California Department of Food and Agriculture  
1220 N Street, Suite 409  
Sacramento, CA 95814

Dear Secretary Lyons,

I am pleased to submit the 2001 annual crop and livestock report for Glenn County as required by Section 2279 of the California Food and Agricultural 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 2001 gross production of agricultural commodities was valued at \$277,948,000. This represents a decrease of 1% from the 2000 gross production value (\$281,005,000).

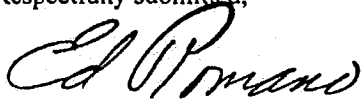
Rice continues to be the leading commodity produced in Glenn County with a production value of \$95,579,000. Dairy products increased \$10,751,000 due to the rise in the price of milk by \$2.62 per hundred weight and an increase in volume. An increase in walnut acreage as well as an increase in production offset the lower price per ton to raise their value by \$2,905,000.

Due to excess seed in the market, less acreage was planted to seed crops so the total value decreased 43% (\$5,883,000). Devastating winds in early March, 2001, uprooted many almond trees which resulted in a loss of income producing trees to growers.

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

I wish to express my appreciation for the cooperation and assistance of all individuals, related agencies and members of the agricultural industry for their contributions to this report. Members of my staff should be commended in their efforts to compile this report.

Respectfully submitted,



Ed Romano  
Agricultural Commissioner/Sealer

ER:dh

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# Production and Value of Agricultural Products

## FIELD CROPS – 2000-2001

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	2001	864	1.02	882	Ton	656.00	578,000
	2000	1,505	.82	1,240	Ton	531.00	658,000
Corn	2001	22,128	6.20	137,194	Ton	81.50	11,181,000
	2000	16,285	6.85	111,620	Ton	89.40	9,979,000
Cotton, Lint	2001	2,356	2.88	6,785	500 lb.	305.00	2,069,000
	2000	1,799	2.29	4,111	Bale	346.00	1,423,000
Cotton, Seed	2001			2,884	Ton	142.00	410,000
	2000			1,748	Ton	150.00	262,000
Hay Alfalfa	2001	15,964	7.63	121,805	Ton	105.00	12,790,000
	2000	15,067	6.50	97,936	Ton	85.00	8,325,000
Hay Other	2001	4,700	3.80	17,860	Ton	83.50	1,491,000
	2000	3,418	3.25	11,109	Ton	50.00	555,000
Hay Sudangrass	2001	1,923	3.00	5,769	Ton	85.00	490,000
	2000	812	4.00	3,248	Ton	100.00	325,000
Pasture Irrigated	2001	15,182			Acre	135.00	2,104,000
	2000	16,270			Acre	130.00	2,115,000
Range	2001	230,000			Acre	7.00	1,610,000
	2000	230,000			Acre	7.00	1,610,000
Rice, ** Paddy	2001	87,239	4.40	383,852	Ton	249.00	95,579,000
	2000	87,383	4.30	378,368	Ton	271.00	102,538,000
Safflower	2001	930	.58	539	Ton	215.00	116,000
	2000	1,195	.70	835	Ton	220.00	184,000
Silage Corn	2001	2,586	33.00	85,338	Ton	19.50	1,164,000
	2000	2,415	28.00	67,620	Ton	23.50	1,589,000
Grain Sorghum	2001	387	2.80	1,084	Ton	84.00	91,000
	2000	303	2.80	848	Ton	85.00	72,000
Sugar Beets	2001	0				0.00	0
	2000	3,601	34.46	124,100	Ton	38.18	4,738
Wheat	2001	15,726	2.70	42,460	Ton	87.10	3,698,000
	2000	17,127	2.70	46,243	Ton	83.50	3,861,000
Miscellaneous	2001	6,141			Ton		933,000
	2000	5,148*			Ton		618,000
<b>TOTALS</b>	<b>2001</b>						<b>\$134,804,000</b>
	<b>2000</b>						<b>\$138,852,000</b>

\*\*Includes USDA Support Price

\* Revised

## VEGETABLE CROPS – 2000-2001

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Totals	2001	1,420					2,302,000
	2000	2,166					4,069,000

## Production and Value of Agricultural Products

### APIARY PRODUCTS – 2000-2001

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	2001	20,000	Lbs.	\$ 0.50	\$10,000
	2000	822,000	Lbs.	0.51	421,000
Beeswax	2001	2,000	Lbs.	1.50	3,000
	2000	12,000	Lbs.	1.08	13,000
Packaged Bees	2001	119,000	Lbs.	5.22	621,000
	2000	130,000	Lbs.	5.68	739,000
Queen Bees	2001	104,000	Each	7.66	797,000
	2000	107,000	Each	7.50	803,000
Pollination	2001	0		0.00	1,785,000
	2000	0		0.00	1,749,000
<b>TOTALS</b>	<b>2001</b>				<b>\$3,216,000</b>
	<b>2000</b>				<b>\$3,725,000</b>

### SEED CROPS – 2000-2001

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	2001	1,627	1,855	3,018,260	Lbs.	\$ 0.33	\$ 990,000
	2000	7,558	1,748	13,209,780	Lbs.	0.31	4,080,000
Clover, all	2001	1,327	311	413,250	Lbs.	1.25	517,000
	2000	2,542	452	1,150,120	Lbs.	1.34	1,545,000
Rice	2001	2,648	8,800	23,302,400	Lbs.	0.09	2,074,000
	2000	2,791	8,680	24,228,484	Lbs.	0.10	2,520,000
Sunflower	2001	3,612	1,370	4,949,569	Lbs.	0.51	2,524,000
	2000	6,799	1,457	9,906,364	Lbs.	0.42	4,161,000
Vine Crops	2001	1,033					1,277,000
	2000	608					803,000
Other Seed	2001	1,080					347,000
	2000	881					503,000
<b>TOTALS</b>	<b>2001</b>	<b>7,715</b>					<b>\$ 7,729,000</b>
	<b>2000</b>	<b>14,380</b>					<b>\$13,612,000</b>

## Production and Value of Agricultural Products

### LIVESTOCK AND POULTRY – 2000-2001

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	2001	30,621	225,852	Cwt.	\$72.39	\$16,349,000
	2000	31,917	235,162	Cwt.	69.89	16,436,000
Sheep and Lambs	2001	7,382	7,603	Cwt.	67.30	512,000
	2000	7,237	7,454	Cwt.	78.20	583,000
Hogs and Pigs	2001	1,750	3,010	Cwt.	43.00	129,000
	2000	1,790	3,079	Cwt.	44.10	136,000
Poultry	2001	Included under Livestock and Poultry Products				
	2000	to protect individual operations.				
<b>TOTALS</b>	<b>2001</b>					<b>\$16,990,000</b>
	<b>2000</b>					<b>\$17,155,000</b>

### LIVESTOCK AND POULTRY PRODUCTS – 2000-2001

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	2001	3,142,505	Cwts.	\$ 13.80	\$43,367,000
	2000	2,942,862	Cwts.	11.18	32,891,000
Market	2001	2,707,190	Cwts.	13.87	38,423,000
	2000	2,607,684	Cwts.	11.31	29,504,000
Manufacturing	2001	372,315	Cwts.	13.24	4,929,000
	2000	335,178	Cwts.	10.10	3,387,000
Wool	2001	74,780	Lbs.	0.40	30,000
	2000	73,309	Lbs.	0.30	22,000
Miscellaneous	2001				245,000
	2000				246,000
<b>TOTALS</b>	<b>2001</b>				<b>\$43,642,000</b>
	<b>2000</b>				<b>\$33,159,000</b>

### NURSERY PRODUCTS – 2000-2001

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Totals	2001	288	\$4,203,000
	2000	244	\$3,224,000

## Production and Value of Agricultural Products

### FRUIT AND NUT CROPS – 2000-2001

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	2001	26,534	0.54	14,260	Meat	\$1,845.00	\$26,310,000
	2000	25,433	0.53	13,432	Ton	2,069.00	27,791,000
Almond Hulls	2001			17,825	Ton	70.00	1,248,000
	2000			16,790	Ton	80.00	1,343,000
Citrus	2001	631	4.31	2,717	Ton	308.00	837,000
	2000	690	6.49	4,476	Ton	292.00	1,308,000
Grapes	2001	1,349	2.10	2,827	Ton	415.00	1,176,000
	2000	1,219	7.15	8,718	Ton	232.00	2,022,000
Olives	2001	4,787	3.95	18,909	Ton	610.00	11,534,000
	2000	4,645	1.78	8,285	Ton	642.00	5,323,000
Pistachios	2001	983	0.61	596	Inshell	2,100.00	1,252,000
	2000	947	1.19	1,132	Ton	1,960.00	2,291,000
Prunes	2001	9,517	1.55	14,778	Dry	749.00	11,069,000
	2000	9,121	2.44	22,235	Ton	813.00	18,077,000
Walnuts	2001	8,314	1.26	10,495	Inshell	1,100.00	11,545,000
	2000	7,828	0.92	7,229	Ton	1,195.00	8,640,000
Miscellaneous	2001	141					91,000
	2000	130					278,000
<b>TOTALS</b>	<b>2001</b>	<b>52,256</b>					<b>\$65,062,000</b>
	<b>2000</b>	<b>50,013</b>					<b>\$67,001,000</b>

## Production and Value of Forest Products

### FOREST PRODUCTS – 2000-2001

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	2001	962,000	Board	\$ 0.22	\$ 212,000
	2000	16,522,000	Feet	0.34	5,634,000
Firewood	2001	774	Cord	85.00	66,000
	2000	801	Cord	85.00	68,000
Christmas Trees	2001	1,750	Each	20.00	35,000
	2000	1,680	Each	20.00	34,000
<b>TOTALS</b>	<b>2001</b>				<b>\$313,000</b>
	<b>2000</b>				<b>\$5,736,000</b>

# Production and Value of Agricultural Products

## GLENN COUNTY SUSTAINABLE AGRICULTURE - 2000-2001

### PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	77	0	
United Parcel Service	0	0	
Truck	6231	0	
Other	253	1	

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	345
Phyto Certificates Issued	527

### ORGANIC FARMING - 2000-2001

CROP	NUMBER OF FARMS	ACRES
Almonds	5	135
Rice	10	1,661
Citrus	5	152.5
Olives	4	63
Vegetables/Herbs	4	4.8
Fruit trees	2	9.7
Walnuts	1	20
Hay/Pasture	2	16
Fallow	1	3
Prunes	1	18

**VALUE OF AGRICULTURAL AND FOREST PRODUCTION  
GLENN COUNTY, CALIFORNIA**

<b>Value of Agricultural Production</b>	<b>2000</b>	<b>2001</b>
Field Crops .....	\$138,852,000 .....	\$134,804,000
Fruit and Nut Crops .....	67,001,000 .....	65,062,000
Livestock and Poultry Products .....	33,159,000 .....	43,642,000
Livestock and Poultry .....	17,155,000 .....	16,990,000
Seed Crops .....	13,612,000 .....	7,729,000
Nursery Products .....	3,244,000 .....	4,203,000
Apiary Products .....	3,725,000 .....	3,216,000
Vegetable Crops .....	4,069,000 .....	2,302,000
<b>Total Agricultural Production .....</b>	<b>\$281,005,000 .....</b>	<b>\$277,948,000</b>

**Value of Forest Products**

Timber .....	\$5,634,000 .....	\$212,000
Firewood .....	68,000 .....	66,000
Christmas Trees .....	34,000 .....	35,000
<b>Total Forest Products.....</b>	<b>\$5,736,000 .....</b>	<b>313,000</b>

**Grand Total All Production .....** \$286,741,000 .....

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**\$278,261,000**

**GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES**

**2001**

<b>Commodity</b>	<b>2001 Value</b>
1. Rice, paddy .....	\$95,579,000
2. Dairy Products .....	43,642,000
3. Almonds .....	26,310,000
4. Prunes .....	11,069,000
5. Cattle and calves .....	16,349,000
6. Corn .....	11,181,000
7. Walnuts .....	11,545,000
8. Hay, Alfalfa .....	12,790,000
9. Olives .....	11,534,000
10. Wheat .....	3,698,000

## ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

122 YEARS – 1879 - 2001

Year	Inches	Year	Inches	Year	Inches
1879-1880	13.96	1919-1920	7.70	1960-1961	16.24
1880-1881	13.85	1920-1921	21.28	1961-1962	16.01
1881-1882	8.28	1921-1922	13.44	1962-1963	20.48
1882-1883	8.45	1922-1923	16.81	1963-1964	9.34
1883-1884	18.84	1923-1924	8.86	1964-1965	18.75
1884-1885	7.80	1924-1925	25.99	1965-1966	13.26
1885-1886	19.15	1925-1926	18.44	1966-1967	23.65
1886-1887	8.07	1926-1927	25.99	1967-1968	15.21
1887-1888	8.97	1927-1928	17.54	1968-1969	23.25
1888-1889	10.30	1928-1929	11.46	1969-1970	18.56
1889-1890	29.94	1929-1930	16.37	1970-1971	13.50
1890-1891	19.01	1930-1931	9.85	1971-1972	7.15
1891-1892	18.82	1931-1932	15.01	1972-1973	25.11
1892-1893	27.30	1932-1933	7.79	1973-1974	17.45
1893-1894	11.15	1933-1934	15.65	1974-1975	16.03
1894-1895	26.04	1934-1935	19.62	1975-1976	6.30
1895-1896	22.18	1935-1936	17.48	1976-1977	8.46
1896-1897	18.82	1936-1937	16.40	1977-1978	25.72
1897-1898	6.58	1937-1938	26.28	1978-1979	14.97
1898-1899	13.05	1938-1939	6.82	1979-1980	26.95
1899-1900	15.23	1939-1940	23.21	1980-1981	18.76
1900-1901	17.49	1940-1941	40.50	1981-1982	25.58
1901-1902	21.67	1941-1942	24.07	1982-1983	37.25
1902-1903	17.10	1942-1943	15.68	1983-1984	20.47
1903-1904	20.28	1943-1944	13.52	1984-1985	14.89
1904-1905	24.55	1944-1945	16.94	1985-1986	24.82
1905-1906	19.85	1945-1946	14.72	1986-1987	10.92
1906-1907	17.88	1946-1947	12.28	1987-1988	15.86
1907-1908	13.44	1947-1948	19.56	1988-1989	10.12
1908-1909	22.09	1948-1949	15.59	1989-1990	12.71
1909-1910	14.36	1949-1950	10.32	1990-1991	15.51
1910-1911	17.75	1950-1951	17.48	1991-1992	17.19
1911-1912	11.26	1951-1952	23.50	1992-1993	25.76
1912-1913	13.18	1952-1953	19.70	1993-1994	13.10
1913-1914	29.18	1953-1954	16.64	1994-1995	34.04
1914-1915	27.19	1954-1955	14.57	1995-1996	20.39
1915-1916	18.11	1955-1956	23.24	1996-1997	20.52
1916-1917	11.43	1956-1957	19.11	1997-1998	41.62
1917-1918	11.90	1957-1958	32.93	1998-1999	14.59
1918-1919	12.90	1958-1959	11.96	1999-2000	19.43
		1959-1960	13.88	2000-2001	15.70



# 2002 Annual Crop & Livestock Report



# Glenn County

Cover photo shows a watershed demonstration project which utilizes cover crops such as resident vegetation and a planted buffer strip along a riparian corridor that could significantly reduce the off site movement of pesticides, fertilizers and soils.

Initiated in 1997, the Glenn County Surface Water Stewardship Program's mission is to provide pesticide users with knowledge and information so that they can make management decisions that limit off site movement of pesticides, fertilizers and soil into the surface or ground water.

The Glenn County Surface Water Stewardship Program would like to acknowledge the collaborative efforts of Mike Perry, Floyd Perry, Craig Vereschagin and Mike Hart.

Photo by Rey Lopez

# County of Glenn

## DEPARTMENT OF AGRICULTURE

**ED ROMANO**, Agricultural Commissioner  
Sealer of Weights and Measures

**WILLIAM R. DUCKWORTH**, Assistant Commissioner  
Assistant Sealer

TO: Williams J. Lyons, Jr., Secretary  
State of California  
Department of Food and Agriculture

and

The Honorable Board of Supervisors  
Chairman: Tom McGowan District 4  
Denny Bungarz District 1  
Gary Freeman District 2  
Forrest Sprague District 3  
Keith Hansen District 5

I am pleased to submit the 2002 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 2002 gross production of agricultural commodities was valued at \$303,447,000. This represents an increase of 8% from the 2001 gross production value of \$278,321,000.

Rice continues to be the leading commodity produced in Glenn County with a production value of \$97,829,000. Almonds increased by 43% due to an increase in acreage, production, and value. Honey, for the first time, hit a record high price of \$1.47. The ten year average for honey has been \$.67. An increase in walnut acreage as well as an increase in production offset the lower price per ton to raise their value to \$1,062,000.

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

I wish to express my appreciation for the cooperation and assistance of all individuals, related agencies and members of the agricultural industry for their contributions to this report. Members of my staff should be commended in their efforts to compile this report.

Respectfully submitted,



Ed Romano  
Agricultural Commissioner

ER:b

# FIELD CROPS

## Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE			
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL	
BEANS	2002	2,618	0.89	2,356	Ton	\$673.00	\$1,587,000	
	2001	864	1.02	882		656.00	578,000	
CORN	2002	19,195	6.25	119,696	Ton	96.00	11,517,000	
	2001	22,128	6.20	137,194		81.50	11,181,000	
COTTON, LINT	2002	1,914	2.36	4,522	500 lb.	302.86	1,370,000	
	2001	2,356	2.88	6,785		305.00	2,069,000	
COTTON, SEED	2002			2,097	Ton	170.00	356,000	
	2001			2,884		142.00	410,000	
HAY, ALFALFA	2002	19,184	7.50	143,880	Ton	95.50	13,309,000	
	2001	15,964	7.63	121,805		105.00	12,790,000	
HAY, OTHER	2002	5,500	2.70	14,850	Ton	85.00	1,262,000	
	2001	4,700	3.80	17,860		83.50	1,491,000	
HAY, SUDANGRASS	2002	1,826	3.70	6,756	Ton	85.00	574,000	
	2001	1,923	3.00	5,769		85.00	490,000	
PASTURE, IRRIGATED	2002	12,673			Ton	135.00	1,711,000	
	2001	15,182				135.00	2,104,000	
RANGE	2002	230,000			Ton	7.00	1,610,000	
	2001	230,000				7.00	1,610,000	
RICE, PADDY	2002	92,382	4.27	394,471	Ton	248.00	97,829,000	
	2001	87,239	4.40	383,852		249.00	95,579,000	
SAFFLOWER	2002	2,839	0.78	2,228	Ton	240.00	535,000	
	2001	930	0.58	539		215.00	116,000	
SILAGE, CORN	2002	2,740	26.00	71,240	Ton	20.00	1,425,000	
	2001	2,586	33.00	85,338		19.50	1,664,000	
GRAIN, SORGHUM	2002	160	2.80	448	Ton	80.00	36,000	
	2001	387	2.80	1,084		84.00	91,000	
WHEAT	2002	14,006	2.60	36,416	Ton	93.00	3,387,000	
	2001	15,726	2.70	42,460		87.10	3,698,000	
MISCELLANEOUS	2002	7,588			Ton		1,331,000	
	2001	6,141					933,000	
TOTALS	2002	** Includes USDA Support Price						\$137,839,000
	2001	* Revised						\$135,531,000

## APIARY CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL	
BEESWAX	2002	7,000	Lbs	\$1.14	\$8,000	
	2001	2,000		1.50	3,000	
HONEY	2002	329,000	Lbs	1.47	484,000	
	2001	20,000		0.50	10,000	
PACKAGED BEES	2002	116,000	Lbs	5.72	663,000	
	2001	119,000		5.22	621,000	
POLLINATION	2002				1,990,000	
	2001				1,785,000	
QUEEN BEES	2002	104,000	Each	7.88	819,000	
	2001	104,000		7.66	797,000	
TOTALS	2002				\$3,964,000	
	2001				\$3,216,000	

## SEED CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2002	1,330	2,379	3,164,552	Lbs	\$0.30	\$964,000
	2001	1,627	1,855	3,018,260		\$0.33	\$990,000
CLOVER, ALL	2002	1,424	256	364,923	Lbs	1.30	473,000
	2001	1,327	311	413,250		1.25	517,000
RICE	2002	2,263	8,600	19,461,800	Lbs	0.10	1,946,000
	2001	2,648	8,800	23,302,400		0.09	2,074,000
SUNFLOWER	2002	4,772	945	4,511,093	Lbs	0.47	2,125,000
	2001	3,612	1,370	4,949,569		0.51	2,524,000
VINE CROPS	2002	1,058			Lbs		1,403,000
	2001	1,033					1,277,000
OTHER SEED	2002	1,093			Lbs		2,013,000
	2001	1,080					347,000
TOTALS	2002						\$8,924,000
	2001						\$7,729,000

## VEGETABLE CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
TOTALS	2002	949					\$1,682,000
	2001	1,420					\$2,302,000

## LIVESTOCK and POULTRY

### Production and Value of Agricultural Products

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL WEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
CATTLE and CALVES	2002	31,658	230,484	Cwt	\$65.51	\$15,099,000
	2001	30,621	225,852		72.39	16,349,000
SHEEP and LAMBS	2002	7,087	7,300	Cwt	69.40	507,000
	2001	7,382	7,603		67.30	512,000
HOGS and PIGS	2002	1,785	3,195	Cwt	34.20	109,000
	2001	1,750	3,010		43.00	129,000
POULTRY	2002	Included under Livestock and Poultry Products to protect individual operations.				
	2001					
TOTALS	2002					\$15,715,000
	2001					\$16,990,000

## LIVESTOCK and POULTRY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION	UNIT	VALUE		
				PER UNIT	TOTAL	
MILK: MARKET	2002	3,293,446	Cwt	\$10.89	\$35,851,000	
	2001	2,770,190		13.87	38,423,000	
MILK: MANUFACTURING	2002	245,505	Cwt	10.70	2,626,000	
	2001	372,315		13.24	4,929,000	
WOOL	2002	71,791	Cwt	0.53	38,000	
	2001	74,780		0.40	30,000	
MISCELLANEOUS	2002				300,000	
	2001				245,000	
TOTALS	2002					\$38,815,000
	2001					\$43,627,000

## NURSERY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
TOTALS	2002	298	\$4,034,000
	2001	288	\$4,203,000

## FRUIT and NUT CROPS

### Production and Value of Agricultural Products

Commodity	Year	Bearing PRODUCTION			VALUE		
		Acreage	Per Acre	Total	Unit	Per Unit	Total
ALMONDS	2002	27,380	0.75	20,450	Meat	\$2,285.00	\$46,728,000
	2001	26,534	0.54	14,260	Ton	\$1,845.00	\$26,310,000
ALMOND HULLS	2002				Ton	70.00	1,761,000
	2001			17,825		70.00	1,248,000
CITRUS	2002	655	6.25	4,094	Ton	260.00	1,066,000
	2001	631	4.31	2,717		308.00	837,000
GRAPES	2002	1,277	9.30	11,880	Ton	462.00	5,488,000
	2001	1,349	2.10	2,827		415.00	1,176,000
OLIVES	2002	5,025	3.68	18,500	Ton	613.00	11,339,000
	2001	4,787	3.95	18,909		610.00	11,534,000
PISTACHIOS	2002	980	1.48	1,450	Inshell	2,400.00	3,480,000
	2001	983	0.61	596	Ton	2,100.00	1,252,000
PRUNES	2002	8,091	1.55	12,581	Dry	798.00	10,040,000
	2001	9,517	1.55	14,778	Ton	749.00	11,069,000
WALNUTS	2002	9,200	1.44	11,673	Inshell	1,080.00	12,607,000
	2001	8,314	1.26	10,495	Ton	1,100.00	11,545,000
MISCELLANEOUS	2002	234					304,000
	2001	141					91,000
TOTALS	2002						\$92,813,000
	2001						\$65,062,000

## FOREST PRODUCTS

### Production and Value of Forest Products

COMMODITY	YEAR	PRODUCTION		VALUE		
		UNIT	PER UNIT	TOTAL		
CHRISTMAS TREES	2002		1,800	Each	20.00	\$36,000
	2001		1,750		20.00	35,000
FIREWOOD	2002		823	Cord	85.00	70,000
	2001		774		85.00	66,000
TIMBER	2002		3,080,000	Board	0.25	772,000
	2001		962,000	feet	0.22	212,000
TOTALS	2002					\$878,000
	2001					\$313,000

# VALUE of AGRICULTURAL and FOREST PRODUCTION

VALUE of AGRICULTURAL PRODUCTS	2001	2002
Field Crops	\$135,192,000	\$137,839,000
Fruit and Nut Crops	65,062,000	92,813,000
Livestock and Poultry Products	43,627,000	38,815,000
Livestock and Poultry	16,990,000	15,715,000
Seed Crops	7,729,000	8,924,000
Nursery Products	4,203,000	4,034,000
Apiary Products	3,216,000	3,964,000
Vegetable Crops	2,302,000	1,682,000
<b>TOTAL AGRICULTURAL PRODUCTION</b>	<b>\$278,321,000</b>	<b>\$303,786,000</b>

VALUE of FOREST PRODUCTS	2001	2002
Timber	\$212,000	\$772,000
Firewood	66,000	70,000
Christmas Trees	35,000	36,000
<b>TOTAL FOREST PRODUCTION</b>	<b>\$313,000</b>	<b>\$878,000</b>

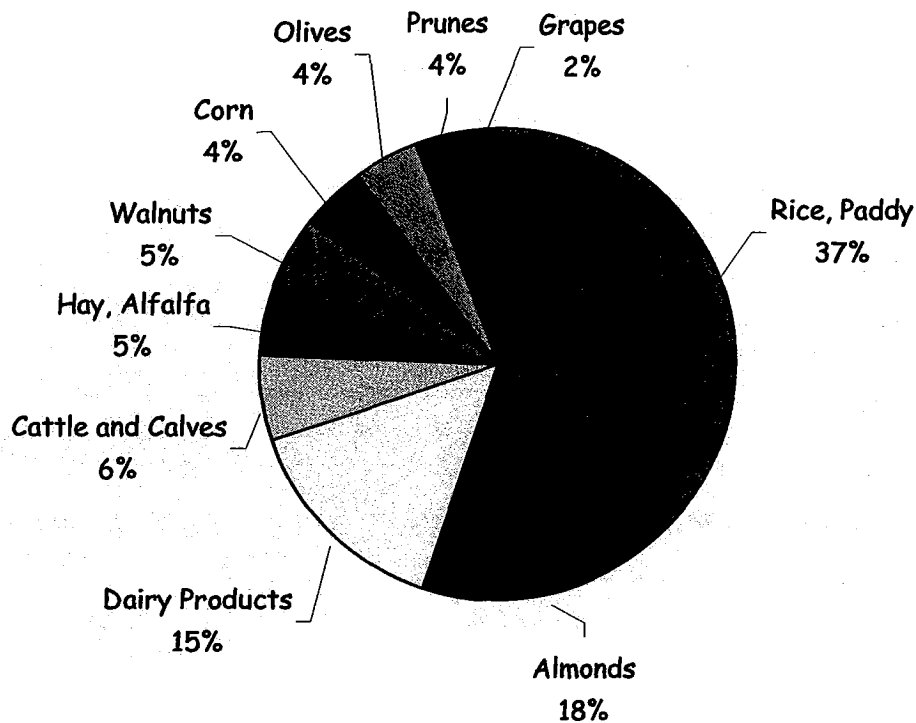
**GRAND TOTAL ALL PRODUCTION**                      **\$278,634,000**                      **\$304,664,000**



# GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	2002 Value
1) Rice, Paddy	\$97,829,000
2) Almonds	46,728,000
3) Dairy Products	38,477,000
4) Cattle and Calves	15,099,000
5) Hay, Alfalfa	13,309,000
6) Walnuts	12,607,000
7) Corn	11,517,000
8) Olives	11,339,000
9) Prunes	10,040,000
10) Grapes	5,488,000

## Ten Leading Commodities 2002



# GLENN COUNTY SUSTAINABLE AGRICULTURE

## PEST EXCLUSION

Terminal Inspections	Number of Inspections	Rejections	Pest
Postal	244	0	
Truck	3,790	0	
Other	34	0	

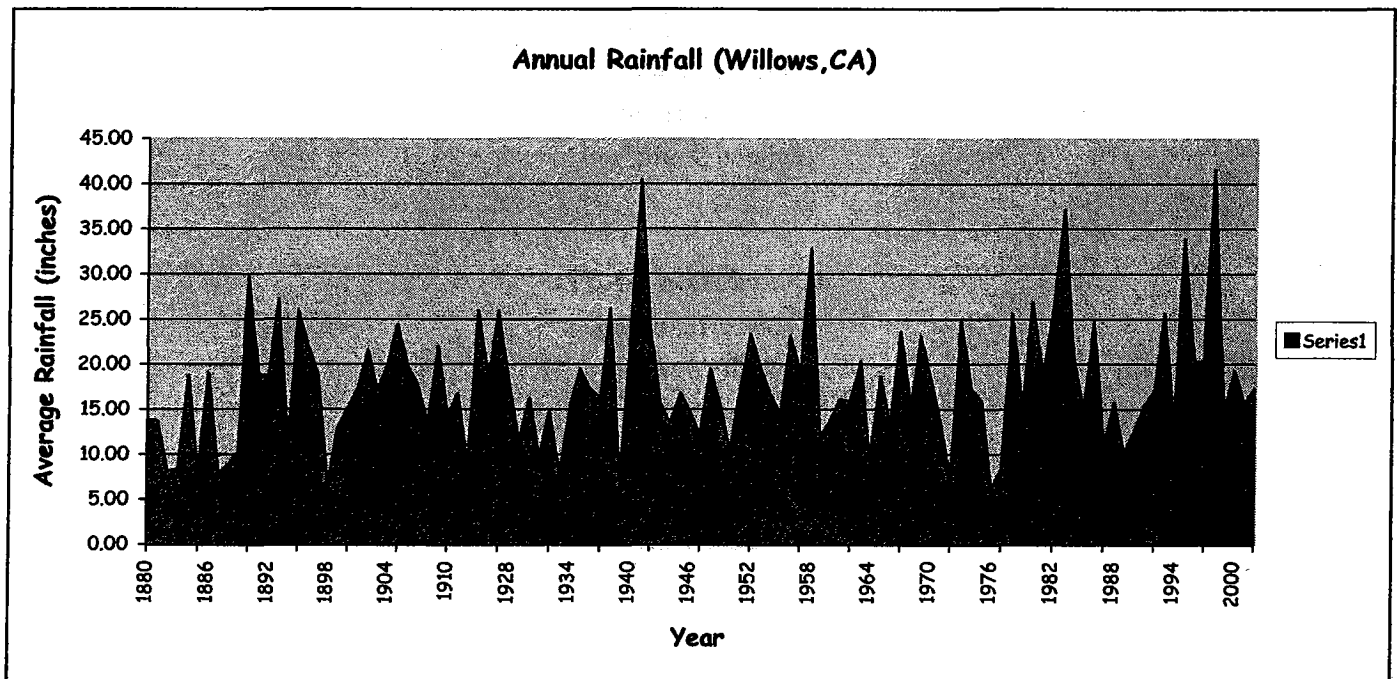
Origin Certification	Number of Inspections
Field Inspections	280
Phyto Certificates Issued	600

## ORGANIC FARMING

Crop	Number of Farms	Acres
Almonds	5	133
Citrus	6	154
Fallow	4	157
Fruit Trees	3	11
Hay/Pasture	2	18
Olives	1	12
Rice	9	1,530
Safflower	1	27
Vegetables/Herbs	1	2.5
Walnuts	1	20

## ANNUAL RAINFALL at WILLOWS, CALIFORNIA

Year	Inches	Year	Inches	Year	Inches	Year	Inches
1879 - 1880	13.96	1910 - 1911	17.75	1941 - 1942	24.07	1972 - 1973	25.11
1880 - 1881	13.85	1911 - 1912	11.26	1942 - 1943	15.68	1973 - 1974	17.45
1881 - 1882	8.28	1912 - 1913	13.18	1942 - 1944	13.52	1974 - 1975	16.03
1882 - 1883	8.45	1913 - 1914	29.18	1944 - 1945	16.94	1975 - 1976	6.30
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		



# STAFF MEMBERS

**Agricultural Commissioner**  
**Sealer of Weights and Measures**  
Ed Romano

**Assistant Agricultural Commissioner**  
**Assistant Sealer of Weights and Measures**  
W. R. Duckworth, Jr.

**Deputy Agricultural Commissioner**  
Ernie Simpson

## **Environmental Biologists:**

John F. B. Tolley  
Rey Lopez  
Jean Miller  
Bob Birdseye  
Lester Messina  
Greg Hinton

## **Support Staff:**

Debra Hubbard  
Maureen Bailey  
Tina Brothers  
Colleen Gustafson

## **Air Pollution Staff:**

Kevin Tokunaga  
Rick Steward  
Ben Myhre  
Candy Woods  
Trudy Silveira  
Delia Azure

***2003***  
***Annual Crop***  
***&***  
***Livestock Report***



**Glenn County**



Eddie Romano, Ag Commissioner, 1974 to 2003

Ed Romano served as the Agricultural Commissioner of Glenn County for 24 years, from 1974 to 2003. Ed was an Agricultural Commissioner who led the state in the support of California's agricultural industry. Ed has had many achievements over his career. He helped develop functional statewide air pollution control regulations, initiated the Glenn County Surface Water Program, the Glenn County Groundwater Program and developed legislation that supported and protected agriculture.

The Glenn County Agriculture Commissioner's office and the agricultural community will miss Ed.

# County of **Glenn** Department of Agriculture

**William R. Duckworth**, Agricultural Commissioner  
Sealer of Weights & Measures

**Mark D. Black**, Assistant Commissioner  
Assistant Sealer

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

The Honorable Board of Supervisors  
and Chairman: **Gary Freeman** District 2  
**Denny Bungarz** District 1  
**Tom McGowan** District 4  
**Forrest Sprague** District 3  
**Keith Hansen** District 5

I am pleased to submit the 2003 annual crop and livestock report for Glenn County as required by Section 2279 of the California Food and Agricultural 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 2003 gross production of agricultural commodities was valued at \$317,387,000. This represents an increase of 4% from the 2002 gross production value of \$303,786,000.

Rice continues to be the leading commodity produced by Glenn County with the production value of \$106,669,000. Almonds again were the second leading crop with a value of \$53,060,000, a 12 % increase over 2002 gross production value. Dairy products were the third leading commodity group with \$48,539,000 in production value, a 21 % increase over 2002. The olive crop saw one of the most significant declines with gross production value of \$5,021,000, a 56 % reduction over 2002. Timber also saw a significant decline with only \$10,000 in gross production value, a 98 % reduction in value over 2002.

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

I wish to express my appreciation for the cooperation and assistance of all individuals, related agencies and members of the agricultural industry for their contribution to this report. I would also like to thank members of my staff. I commended them for their efforts to compile this report.

Respectfully submitted,



William R. Duckworth Jr.  
Agricultural Commissioner

# FIELD CROPS

## Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2003	608	1.33	807	Ton	\$598.00	\$483,000
	2002	2,618	0.89	2,356		673.00	1,587,000
CORN	2003	15,045	6.10	91,775	Ton	100.50	9,223,000
	2002	19,195	6.25	119,696		96.00	11,517,000
COTTON, LINT	2003	2,292	2.55	5,845	500 lb.	329.50	1,926,000
	2002	1,914	2.36	4,522		303.00	1,370,000
COTTON, SEED	2003			2,484	Ton	185.00	460,000
	2002			2,097		170.00	356,000
HAY, ALFALFA	2003	19,280	7.30	140,744	Ton	83.00	11,682,000
	2002	19,184	7.50	143,880		95.50	13,309,000
HAY, OTHER	2003	5,700	2.50	14,250		50.00	713,000
	2002	5,500	2.70	14,850		85.00	1,262,000
HAY, SUDANGRASS	2003	716	5.50	3,938	Ton	95.00	374,000
	2002	1,826	3.70	6,756		85.00	574,000
PASTURE, IRRIGATED	2003	10,436			Acres	135.00	1,409,000
	2002	12,673				135.00	1,711,000
RANGE	2003	230,000			Acres	7.00	1,610,000
	2002	230,000				7.00	1,610,000
RICE, PADDY	2003	87,793	4.05	355,562	Ton	300.00	106,669,000*
	2002	92,382	4.27	394,471		248.00	97,829,000*
SAFFLOWER	2003	287	0.59	169	Ton	275.00	47,000
	2002	2,839	0.78	2,228		240.00	535,000
SILAGE, CORN	2003	4,843	31.00	150,133	Ton	21.00	3,153,000
	2002	2,740	26.00	71,240		20.00	1,425,000
GRAIN, SORGHUM	2003	329	2.80	921	Ton	85.00	78,000
	2002	160	2.80	448		80.00	36,000
WHEAT	2003	16,000	1.20	19,200	Ton	87.00	1,670,000
	2002	14,006	2.60	36,416		93.00	3,387,000
MISCELLANEOUS	2003	9,281					1,863,000
	2002	7,588					1,331,000
TOTALS	2003	402,610				** Includes USDA Support Price	\$141,360,000
	2002	412,625				** Includes USDA Support Price	\$137,839,000



## APIARY CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL	
BEESWAX	2003	7,000		\$1.57	\$11,000	
	2002	7,000	Lbs	\$1.14	\$8,000	
HONEY	2003	152,000		1.49	226,000	
	2002	329,000	Lbs	1.47	484,000	
PACKAGED BEES	2003	134,000		5.93	795,000	
	2002	116,000	Lbs	5.72	663,000	
POLLINATION	2003				2,411,000	
	2002				1,990,000	
QUEEN BEES	2003	129,000		8.23	1,062,000	
	2002	104,000	Each	7.88	819,000	
TOTALS	2003				\$4,505,000	
	2002				\$3,964,000	

## SEED CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2003	1,502	1,765	2,651,096		\$0.38	\$1,007,000
	2002	1,330	2,379	3,164,552	Lbs	\$0.30	\$964,000
CLOVER, ALL	2003	674	618	416,725		1.35	563,000
	2002	1,424	256	364,923	Lbs	1.30	473,000
RICE	2003	2,047	8,100	16,580,700		0.15	2,487,000
	2002	2,263	8,600	19,461,800	Lbs	0.10	1,946,000
SUNFLOWER	2003	4,427	946	4,187,094		0.55	2,303,000
	2002	4,772	945	4,511,093	Lbs	0.47	2,125,000
VINE CROPS	2003	1,948					2,118,000
	2002	1,058					1,403,000
OTHER SEED	2003	133					145,000
	2002	1,093					2,013,000
TOTALS	2003	10,731					\$8,623,000
	2002	11,940					\$8,924,000

## VEGETABLE CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
TOTALS	2003	115					\$297,000
	2002	949					\$1,682,000

## LIVESTOCK and POULTRY

### Production and Value of Agricultural Products

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL WEIGHT	UNIT	VALUE	
					PER UNIT	TOTAL
CATTLE and CALVES	2003	31,556	229,768	Cwt	\$76.77	\$17,639,000
	2002	31,658	230,484		65.51	15,099,000
SHEEP and LAMBS	2003	7,510	7,735	Cwt	88.00	681,000
	2002	7,087	7,300		69.40	507,000
HOGS and PIGS	2003	1,812	3,243	Cwt	35.70	116,000
	2002	1,785	3,195		34.20	109,000
POULTRY	2003	Included under Livestock and Poultry Products to protect individual				
	2002	operations.				
TOTALS	2003					\$18,436,000
	2002					\$15,715,000

## LIVESTOCK and POULTRY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION	UNIT	VALUE		
				PER UNIT	TOTAL	
MILK: MARKET	2003	3,920,929	Cwt	\$11.29	\$44,267,000	
	2002	3,293,446		10.89	35,851,000	
MILK: MANUFACTURING	2003	361,431	Cwt	11.82	4,272,000	
	2002	245,505		10.70	2,626,000	
WOOL	2003	76,076	Lbs	0.79	60,000	
	2002	71,791		0.53	38,000	
MISCELLANEOUS	2003					320,000
	2002					300,000
TOTALS	2003					\$48,919,000
	2002					\$38,815,000

## NURSERY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
TOTALS	2003	256	\$4,179,000
	2002	298	\$4,034,000

## FRUIT and NUT CROPS

### Production and Value of Agricultural Products

Commodity	Year	PRODUCTION			VALUE		
		Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total
ALMONDS	2003	28,729	0.66	18,929	Meat	\$2,803.00	\$53,060,000
	2002	27,380	0.75	20,450	Ton	\$2,285.00	\$46,728,000
ALMOND HULLS	2003			23,661	Ton	77.00	1,822,000
	2002			25,563		70.00	1,761,000
CITRUS	2003	521	6.75	3,515	Ton	314.00	1,104,000
	2002	655	6.25	4,094		260.00	1,066,000
GRAPES	2003	1,278	9.37	11,975	Ton	292.00	3,497,000
	2002	1,277	9.30	11,880		462.00	5,488,000
OLIVES	2003	4,920	2.26	11,158	Ton	450.00	5,021,000
	2002	5,025	3.68	18,500		613.00	11,339,000
PISTACHIOS	2003	998	0.36	355	Inshell	2,900.00	1,042,000
	2002	980	1.48	1,450	Ton	2,400.00	3,480,000
PRUNES	2003	7,841	1.90	14,860	Dry	694.00	10,313,000
	2002	8,091	1.55	12,581	Ton	798.00	10,040,000
WALNUTS	2003	9,296	1.55	14,432	Inshell	1,052.00	15,182,000
	2002	9,200	1.44	11,673	Ton	1,080.00	12,607,000
MISCELLANEOUS	2003	235					570,000
	2002	234					304,000
TOTALS	2003	53,818					\$91,611,000
	2002	52,842					\$92,813,000

## FOREST PRODUCTS

### Production and Value of Forest Products

COMMODITY	YEAR	PRODUCTION		VALUE		
		UNIT	PER UNIT	TOTAL		
CHRISTMAS TREES	2003	1,700		Each	20.00	\$34,000
	2002	1,800			20.00	36,000
FIREWOOD	2003	800		Cord	85.00	68,000
	2002	823			85.00	70,000
TIMBER	2003	47,000		Board	0.21	10,000
	2002	3,080,000		feet	0.25	772,000
TOTALS	2003					\$112,000
	2002					\$878,000

## VALUE of AGRICULTURAL and FOREST PRODUCTION

VALUE of AGRICULTURAL PRODUCTS	2002	2003
Field Crops	\$137,839,000	\$141,360,000
Fruit and Nut Crops	92,813,000	91,611,000
Livestock and Poultry Products	38,815,000	48,919,000
Livestock and Poultry	15,715,000	18,436,000
Seed Crops	8,924,000	8,623,000
Apiary Products	3,964,000	4,505,000
Nursery Products	4,034,000	4,179,000
Vegetable Crops	1,682,000	297,000
<b>TOTAL AGRICULTURAL PRODUCTION</b>	<b>\$303,786,000</b>	<b>\$317,930,000</b>

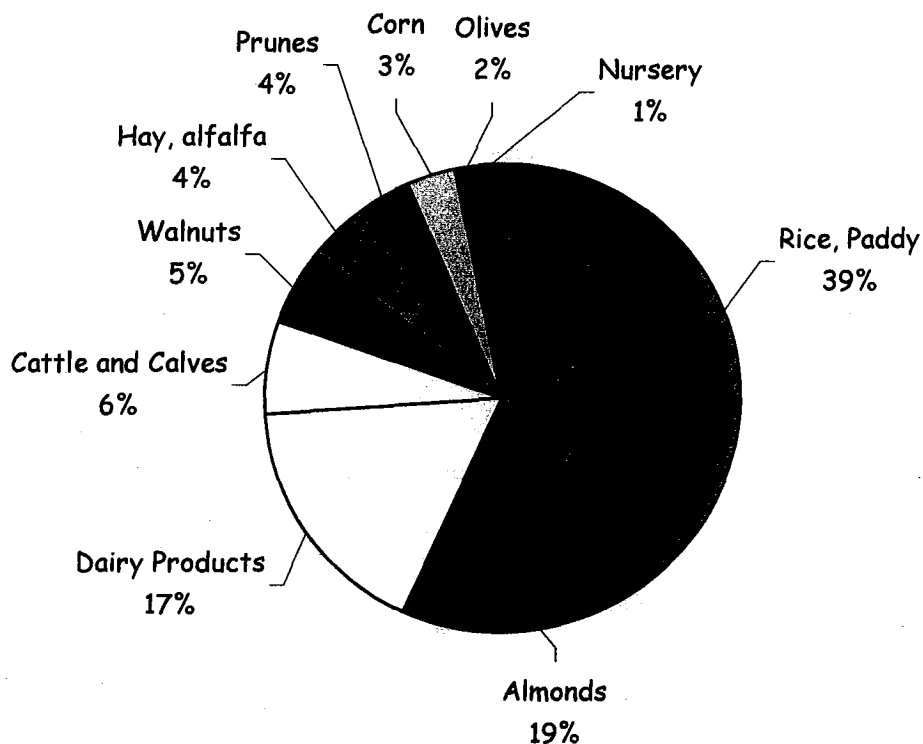
VALUE of FOREST PRODUCTS	2002	2003
Timber	\$772,000	\$10,000
Firewood	70,000	68,000
Christmas Trees	36,000	34,000
<b>TOTAL FOREST PRODUCTION</b>	<b>\$878,000</b>	<b>\$112,000</b>

**GRAND TOTAL ALL PRODUCTION**                      **\$304,664,000**                      **\$318,042,000**

# GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	2003 Value
1) Rice, Paddy	\$106,669,000
2) Almonds	53,060,000
3) Dairy Products	48,539,000
4) Cattle and Calves	17,639,000
5) Walnuts	15,182,000
6) Hay, alfalfa	11,682,000
7) Prunes	10,313,000
8) Corn	9,223,000
9) Olives	5,021,000
10) Nursery	4,179,000

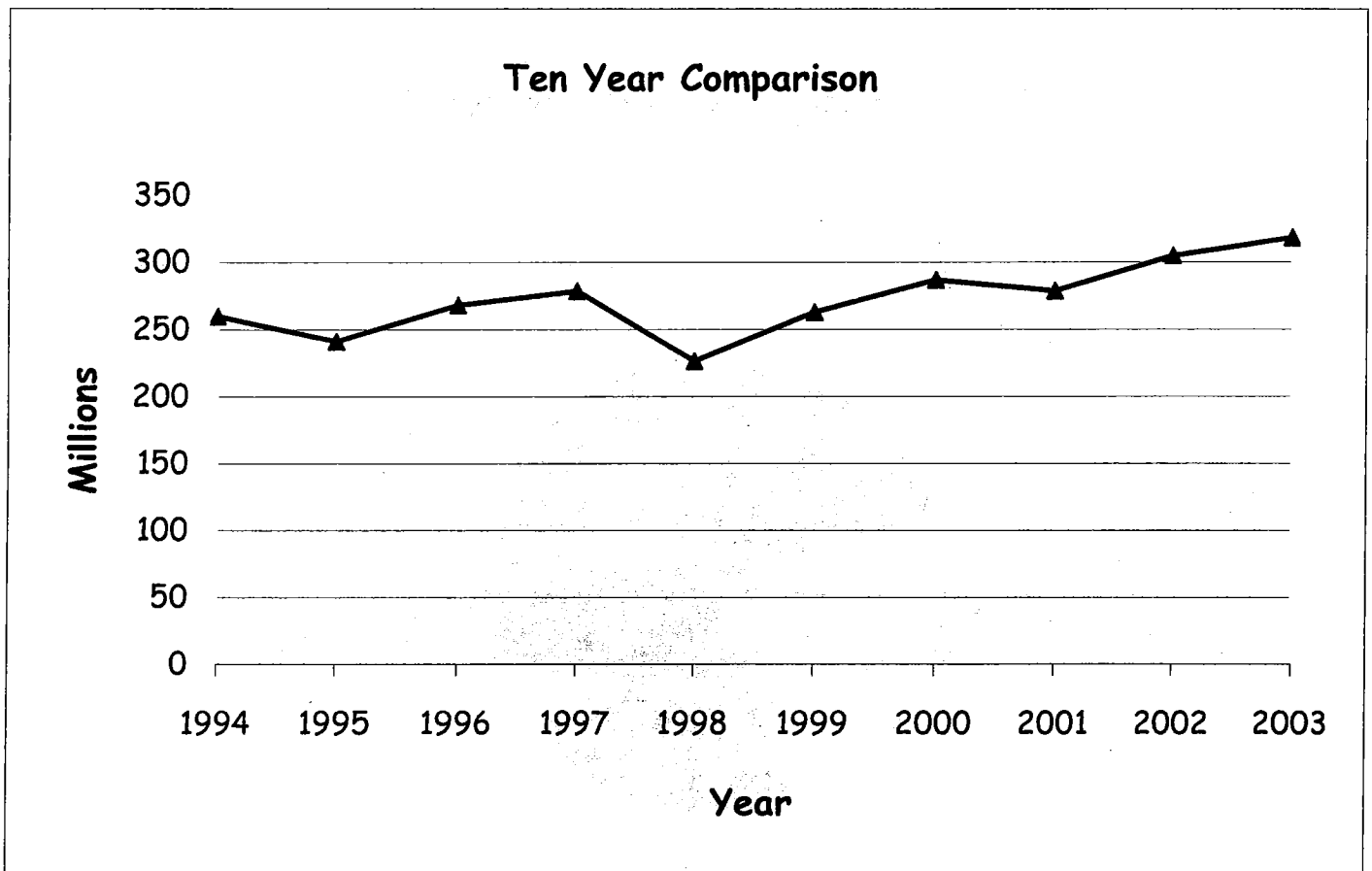
## Ten Leading Commodities 2003



# TEN YEAR PRODUCTION COMPARISON

## 1994 - 2003

<u>Year</u>	<u>Grand Total</u>
2003	\$318,042,000
2002	\$304,664,000
2001	\$278,261,000
2000	\$286,741,000
1999	\$262,606,000
1998	\$226,045,000
1997	\$278,276,000
1996	\$267,875,000
1995	\$240,986,000
1994	\$259,603,000



# 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>Rhynocyllus conicus</i>	Established
Puncturevine <i>Tribulus terrestris</i>	Stem and Seed Weevils <i>Microlarinus lypriformis</i>	Established
	<i>Microlarinus lareyniei</i>	Established
Yellow Starthistle <i>Centaurea solstitialis</i>	Weevil <i>Banqasternus orientalis</i>	Established
	<i>Eustenopus villosus</i>	Established
	<i>Larinus curtus</i>	5 Release Sites
	Fly <i>Urophora sirunaseva</i>	Established
	<i>Chaetorellia australis</i>	Established
Bull Thistle <i>Cirsium vulgare</i>	Fly <i>Urophora stylata</i>	6 Release Sites
Red Gum Lerp Psyllid <i>Glycaspis brimblecombei</i>	Fly <i>Psyllaphaequs bliteus</i>	1 Release Site

## PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <i>Cirsium arvense</i>	Chemical/Mechanical	1
Dyer's Woad <i>Isatis tinctoria</i>	Chemical/Mechanical	11
Perennial Pepperweed (Tall Whitetop) <i>Lepidium latifolium</i>	Chemical/Mechanical	35
Plumeless Thistle <i>Carduus acanthoides</i>	Chemical/Mechanical	3
Russian Knapweed <i>Acroptilon repens</i>	Chemical	1
Silverleaf Nightshade <i>Solanum elaeagnifolium</i>	Chemical/Mechanical	26
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

# GLENN COUNTY SUSTAINABLE AGRICULTURE

## PEST EXCLUSION

Terminal Inspections	Number of Inspections	Rejections	Pest
Postal	237	0	
Truck	1,495	0	
Other	13	2	

Origin Certification	Number of Inspections
Field Inspections	334
Phyto Certificates Issued	814

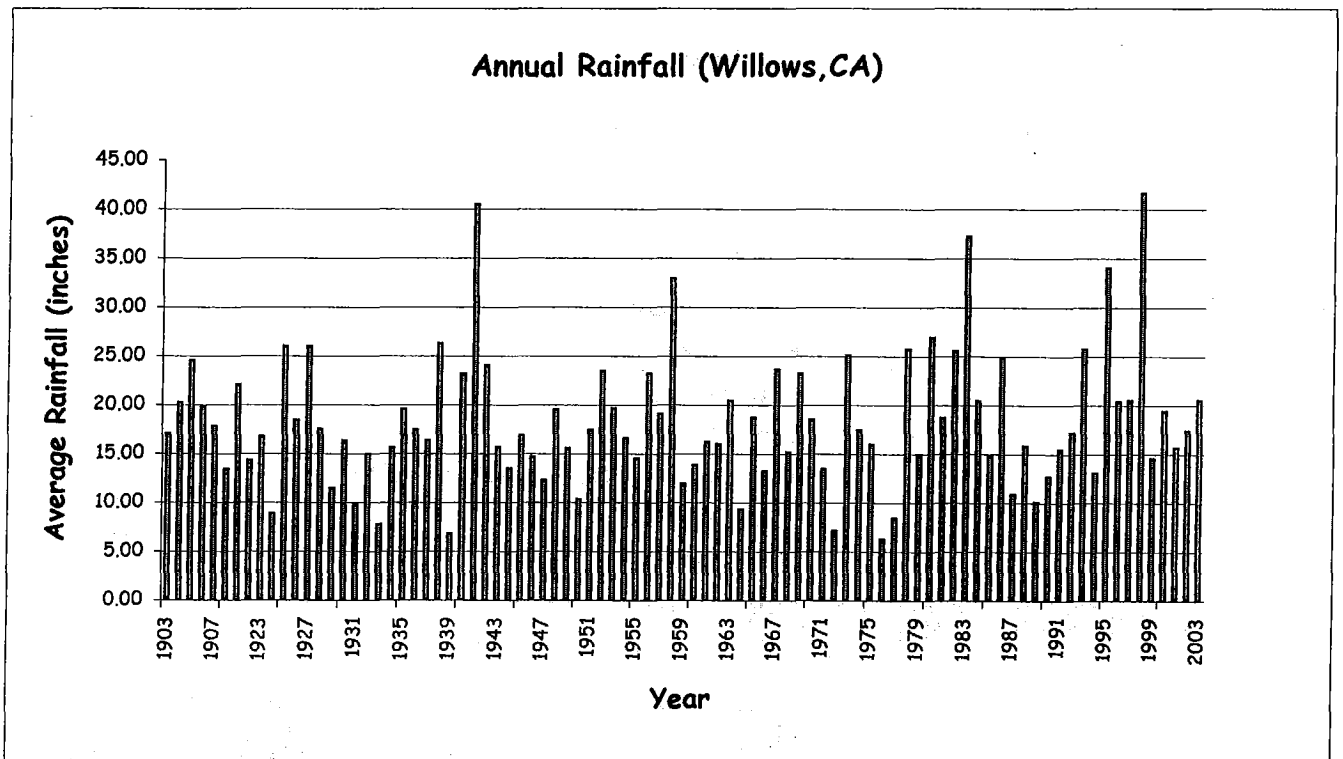
## ORGANIC FARMING

Crop	Number of Farms	Acres
Almonds	5	201
Citrus	5	153
Fallow	4	157
Prunes	2	21.5
Olives	1	12
Rice	6	1,843
Safflower	2	50
Vegetables/Herbs	2	4



# ANNUAL RAINFALL at WILLOWS, CALIFORNIA

Year	Inches	Year	Inches	Year	Inches	Year	Inches
1879 - 1880	13.96	1910 - 1911	17.75	1941 - 1942	24.07	1972 - 1973	25.11
1880 - 1881	13.85	1911 - 1912	11.26	1942 - 1943	15.68	1973 - 1974	17.45
1881 - 1882	8.28	1912 - 1913	13.18	1942 - 1944	13.52	1974 - 1975	16.03
1882 - 1883	8.45	1913 - 1914	29.18	1944 - 1945	16.94	1975 - 1976	6.30
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



# STAFF MEMBERS

**Agricultural Commissioner  
Sealer of Weights and Measures**

Ed Romano (retired July 2003)    W. R. Duckworth

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

W.R.Duckworth

**Deputy Agricultural Commissioner**

Ernie Simpson

**Environmental Biologists:**

John F. B. Tolley

Rey Lopez

Jean Miller

Bob Birdseye

Lester Messina

Greg Hinton

**Support Staff:**

Debra Hubbard

Maureen Bailey

Tina Brothers

Colleen Gustafson (Retired October 2003)

**Air Pollution Staff:**

Kevin Tokunaga

Rick Steward

Ben Myhre

Candy Woods

Trudy Silveira (Retired October 2003)

Delia Azure

Dana Owens

GLENN COUNTY  
*2004*  
*Annual Crop*  
*&*  
*Livestock Report*





The 2004 crop report is dedicated to Ernie Simpson who retired in April 2004 as the Deputy Agricultural Commissioner. Ernie joined the Glenn County Agricultural Commissioner's staff in 1974 and for the next 32 years served the agricultural industry and community. We miss him and wish him success in his new adventures.

Mark Black, Agricultural Commissioner

Sealer of Weights and Measures

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

and

The Honorable Board of Supervisors  
Chairman: John Amaro District 3  
Denny Bungarz District 1  
Gary Freeman District 2  
Tom McGowan District 4  
Keith Hansen District 5

I am pleased to submit the 2004 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.

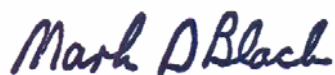
Agriculture continues to be the county's major industry. The 2004 gross production of agricultural commodities was valued at \$346,347,000. This represents an increase of 9 percent from the 2003 gross production value of \$318,042,000.

Rice continues to be the leading commodity produced in Glenn County with a production value of \$83,092,000. This is 12 percent decline from the 2003 value of \$106,042,000. Almonds are our number two leading crop, with \$77,847,000 in value, an increase of 32 percent. Olives had a value of \$10,979,000, this is a 50 percent increase from 2003. Grapes saw a 52 percent increase in value from \$3,497,000 in 2003 to \$7,284,000 in 2004. Cattle and calves continue to show price strength with a 15 percent increase and a production value of \$20,580,000. Another notable increase was the timber value. We saw a 93 percent increase in timber value. 2004 production was \$131,000 versus a \$10,000 value in 2003.

Values given in this report are gross receipts received by growers and do not reflect their net income. They 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, especially Jean Miller and Maureen Bailey, should be commended for their countless hours and extra effort to compile this year's 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	2004	374	1.25	468	Ton	\$740.00	\$346,000
	2003	608	1.33	807		\$598.00	\$483,000
BARLEY	2004	5,962	3.00	17,886	Ton	112.00	2,003,000
	2003	Reported under miscellaneous in 2003					
CORN	2004	12,155	6.30	76,577	Ton	95.00	7,275,000
	2003	15,045	6.10	91,775			
COTTON, LINT	2004	1,992	3.27	6,514	500 lb.	340.00	2,215,000
	2003	2,292	2.55	5,845		329.50	1,926,000
COTTON, SEED	2004			2,714	Ton	180.00	489,000
	2003			2,484		185.00	460,000
HAY, ALFALFA	2004	15,247	7.60	115,877	Ton	98.00	11,356,000
	2003	19,280	7.30	140,744		83.00	11,682,000
HAY, OTHER	2004	6,200	3.00	18,600	Ton	65.00	1,209,000
	2003	5,700	2.50	14,250		50.00	713,000
HAY, SUDANGRASS	2004	248	5.50	1,364	Ton	85.00	116,000
	2003	716	5.50	3,938		95.00	374,000
PASTURE, IRRIGATED	2004	10,135			Acres	165.00	1,672,000
	2003	10,436				135.00	1,409,000
RANGE	2004	230,000			Acres	7.00	1,610,000
	2003	230,000				7.00	1,610,000
RICE, PADDY	2004	86,017	4.60	395,670	Ton	210.00	83,092,000
	2003	87,793	4.05	355,562		300.00	106,669,000
SAFFLOWER	2004	146	0.91	133	Ton	340.00	45,000
	2003	287	0.59	169		275.00	47,000
SILAGE, CORN	2004	4,817	35.00	168,595	Ton	36.00	6,069,000
	2003	4,843	31.00	150,133		21.00	3,153,000
WHEAT	2004	8,184	2.30	18,823	Ton	109.00	2,052,000
	2003	16,000	1.20	19,200		87.00	1,670,000
MISCELLANEOUS	2004	5,140					152,000
	2003	9,610					1,941,000
TOTALS	2004	386,617					\$119,701,000
	2003	402,610					\$141,360,000

\*\* Includes USDA Support Price

\*\* Includes USDA Support Price

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## APIARY CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE	
		TOTAL	UNIT	PER UNIT	TOTAL	
BEESWAX	2004	5,000			\$0.00	\$0.00
	2003	7,000	Lbs		\$1.57	\$11,000
HONEY	2004	120,000			0	0
	2003	152,000	Lbs		1.49	226,000
PACKAGED BEES	2004	117,000			10.00	1,170,000
	2003	134,000	Lbs		5.93	795,000
POLLINATION	2004					1,869,000
	2003					2,411,000
QUEEN BEES	2004	133,000			10.00	1,330,000
	2003	129,000	Each		8.23	1,062,000
TOTALS	2004					\$4,369,000
	2003					\$4,505,000

## SEED CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BEANS	2004	1,275	1,574	2,006,990		\$0.38	\$762,000
	2003	1,502	1,765	2,651,096	Lbs	\$0.38	\$1,007,000
CLOVER, ALL	2004	704	400	281,600		1.40	394,000
	2003	674	618	416,725	Lbs	1.35	563,000
RICE	2004	2,865	9,000	25,785,000		0.08	2,063,000
	2003	2,047	8,100	16,580,700	Lbs	0.15	2,487,000
SUNFLOWER	2004	4,555	1,125	5,126,017		0.58	2,973,000
	2003	4,427	946	4,187,094	Lbs	0.55	2,303,000
VINE CROPS	2004	2,916					2,479,000
	2003	1,948					2,118,000
OTHER SEED	2004	334					201,000
	2003	133					145,000
TOTALS	2004	12,649					\$8,872,000
	2003	10,731					\$8,623,000

## VEGETABLE CROPS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION			VALUE		
		ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
TOTALS	2004	126					\$376,000
	2003	115					\$297,000

## LIVESTOCK and POULTRY

### Production and Value of Agricultural Products

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL WEIGHT	UNIT	VALUE		
					PER UNIT	TOTAL	
CATTLE and CALVES	2004	34,766	240,247		\$86.00	\$20,661,000	
	2003	31,556	229,768	Cwt	76.77	17,639,000	
SHEEP and LAMBS	2004	7,435	7,658		90.40	692,000	
	2003	7,510	7,735	Cwt	88.00	681,000	
HOGS and PIGS	2004	1,758	3,164		49.50	157,000	
	2003	1,812	3,243	Cwt		116,000	
POULTRY	2004	Included under Livestock and Poultry Products to protect individual operations.					
	2003						
TOTALS	2004						\$21,510,000
	2003						\$18,436,000

## LIVESTOCK and POULTRY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	PRODUCTION	UNIT	VALUE		
				PER UNIT	TOTAL	
MILK: Market	2004	3,559,463		\$14.51	\$51,645,000	
	2003	3,920,929	Cwt	11.29	44,267,000	
MILK: Manufacturing	2004	320,543		15.20	4,872,000	
	2003	361,431	Cwt		4,272,000	
WOOL	2004	75,671		0.82	62,000	
	2003	76,076	Lbs	0.79	60,000	
MISCELLANEOUS	2004					361,000
	203					320,000
TOTALS	2004					\$56,940,000
	2003					\$48,919,000

## NURSERY PRODUCTS

### Production and Value of Agricultural Products

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
TOTALS	2004	342	\$5,006,000
	2003	256	\$4,179,000



## FRUIT and NUT CROPS

### Production and Value of Agricultural Products

Commodity	Year	Bearing PRODUCTION			Unit	VALUE	
		Acreage	Per Acre	Total		Per Unit	Total
ALMONDS	2004	28,337	0.68	19,269	Meat	\$4,040.00	\$77,847,000
	2003	28,729	0.66	18,929	Ton	\$2,803.00	\$53,060,000
ALMOND HULLS	2004			24,131	Ton	72.50	1,750,000
	2003			23,661		77.00	1,822,000
CITRUS	2004	521	8.06	4,199	Ton	324.00	1,361,000
	2003	521	6.75	3,515		314.00	1,104,000
GRAPES	2004	1,287	9.37	12,059	Ton	604.00	7,284,000
	2003	1,278	9.37	11,975		292.00	3,497,000
OLIVES	2004	4,180	5.1	21,318	Ton	515.00	10,979,000
	2003	4,920	2.26	11,158		450.00	5,021,000
PISTACHIOS	2004	998	1.44	1,437	Inshell	2,520.00	3,618,000
	2003	998	0.36	355	Ton	2,900.00	1,042,000
PRUNES	2004	6,870	0.98	6,732	Dry	1,398.00	9,412,000
	2003	7,841	1.90	14,860	Ton	694.00	10,313,000
WALNUTS	2004	10,366	1.54	15,963	Inshell	1,149.00	18,341,000
	2003	9,296	1.55	14,432	Ton	1,052.00	15,182,000
MISCELLANEOUS	2004	253					530,000
	2003	235					570,000
TOTALS	2004	52,812					\$131,122,000
	2003	53,818					\$91,611,000

## FOREST PRODUCTS

### Production and Value of Forest Products

COMMODITY	YEAR	PRODUCTION		UNIT	VALUE	
					PER UNIT	TOTAL
CHRISTMAS TREES	2004		1,900	Each	\$20.00	\$38,000
	2003		1,700		\$20.00	\$34,000
FIREWOOD	2004		810	Cord	90.00	73,000
	2003		800		85.00	68,000
TIMBER	2004		814,000	Board Ft	0.16	131,000
	2003		47,000		0.21	10,000
TOTALS	2004					\$242,000
	2003					\$112,000

# VALUE of AGRICULTURAL and FOREST PRODUCTION

VALUE of AGRICULTURAL PRODUCTS	2003	2004
Field Crops	\$141,360,000	\$119,701,000
Fruit and Nut Crops	91,611,000	131,122,000
Livestock and Poultry Products	48,919,000	56,940,000
Livestock and Poultry	18,436,000	21,510,000
Seed Crops	8,623,000	8,872,000
Apiary Products	4,505,000	4,369,000
Nursery Products	4,179,000	5,006,000
Vegetable Crops	297,000	376,000
<b>TOTAL AGRICULTURAL PRODUCTION</b>	<b>\$317,930,000</b>	<b>\$347,896,000</b>

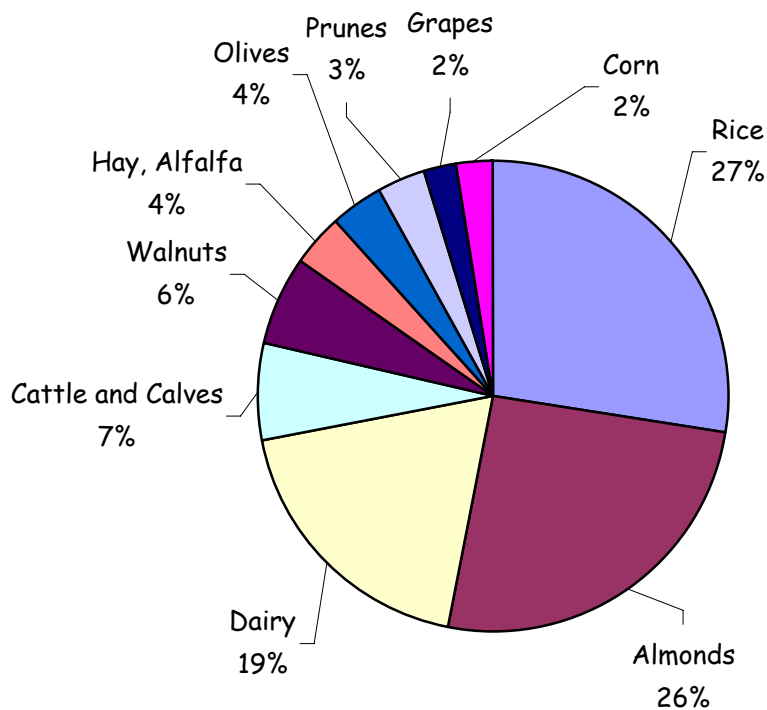
VALUE of FOREST PRODUCTS	2003	2004
Timber	\$10,000	\$131,000
Firewood	68,000	73,000
Christmas Trees	34,000	38,000
<b>TOTAL FOREST PRODUCTION</b>	<b>\$112,000</b>	<b>\$242,000</b>

**GRAND TOTAL ALL PRODUCTION**                      \$318,042,000                      **\$348,138,000**

# GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

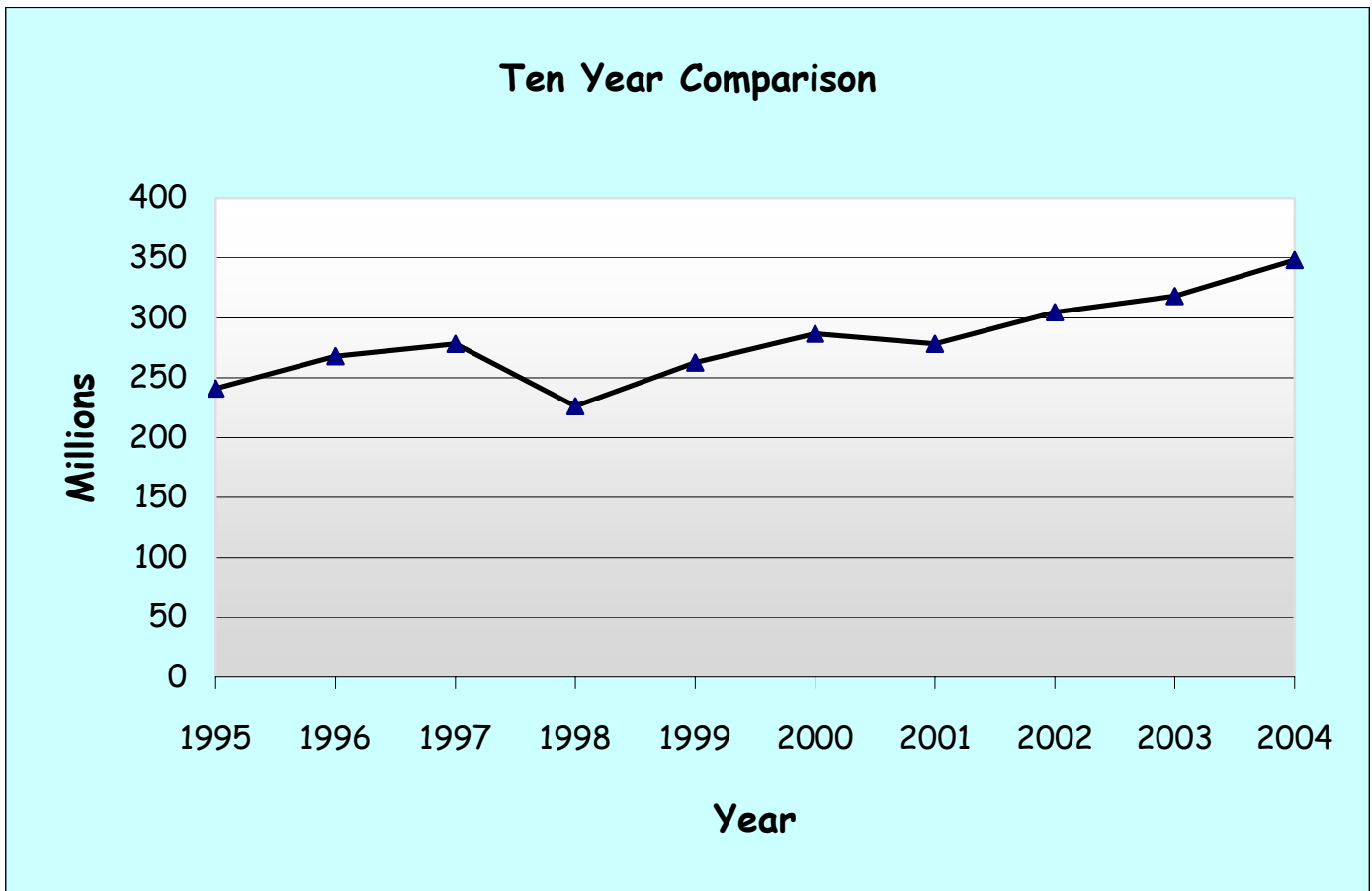
Commodity	2004 Value
1) Rice	\$83,092,000
2) Almonds	77,847,000
3) Dairy	56,517,000
4) Cattle and Calves	20,661,000
5) Walnuts	18,341,000
6) Hay, Alfalfa	11,356,000
7) Olives	10,979,000
8) Prunes	9,412,000
9) Grapes	7,284,000
10) Corn	7,275,000

### Ten Leading Commodities 2004



# TEN YEAR PRODUCTION COMPARISON 1995 - 2004

<u>Year</u>	<u>Grand Total</u>
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
1997	\$278,276,000
1996	\$267,875,000
1995	\$240,986,000



# 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>Rhynocyllus conicus</i>	Established
Puncturevine <i>Tribulus terrestris</i>	Stem and Seed Weevils <i>Microlarinus lypriformis</i>	Established
	<i>Microlarinus lareyniei</i>	Established
Yellow Starthistle <i>Centaurea solstitialis</i>	Weevil <i>Bangasternus orientalis</i>	Established
	<i>Eustenopus villosus</i>	Established
	<i>Larinus curtus</i>	5 Release Sites
	Fly <i>Urophora sirunaseva</i>	Established
	<i>Chaetorellia australis</i>	Established
Rust <i>Puccinia jaceae</i>	1 Release Site	
Bull Thistle <i>Cirsium vulgare</i>	Fly <i>Urophora stylata</i>	6 Release Sites
Red Gum Lerp Psyllid <i>Glycaspis brimblecombei</i>	Fly <i>Psyllaphaegus bliteus</i>	1 Release Site

## PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle <i>Cirsium arvense</i>	Chemical/Mechanical	1
Dyer's Woad <i>Isatis tinctoria</i>	Chemical/Mechanical	11
Perennial Pepperweed (Tall Whitetop) <i>Lepidium latifolium</i>	Chemical/Mechanical	35
Plumeless Thistle <i>Carduus acanthoides</i>	Chemical/Mechanical	3
Russian Knapweed <i>Acroptilon repens</i>	Chemical	1
Silverleaf Nightshade <i>Solanum elaeagnifolium</i>	Chemical/Mechanical	26
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

# 2004 GLENN COUNTY SUSTAINABLE AGRICULTURE

## PEST EXCLUSION

<b>Terminal Inspections</b>	<b>Number of Inspections</b>	<b>Rejections</b>	<b>Pest</b>
Postal	11	0	
Truck	5,540	0	
Other	0	0	

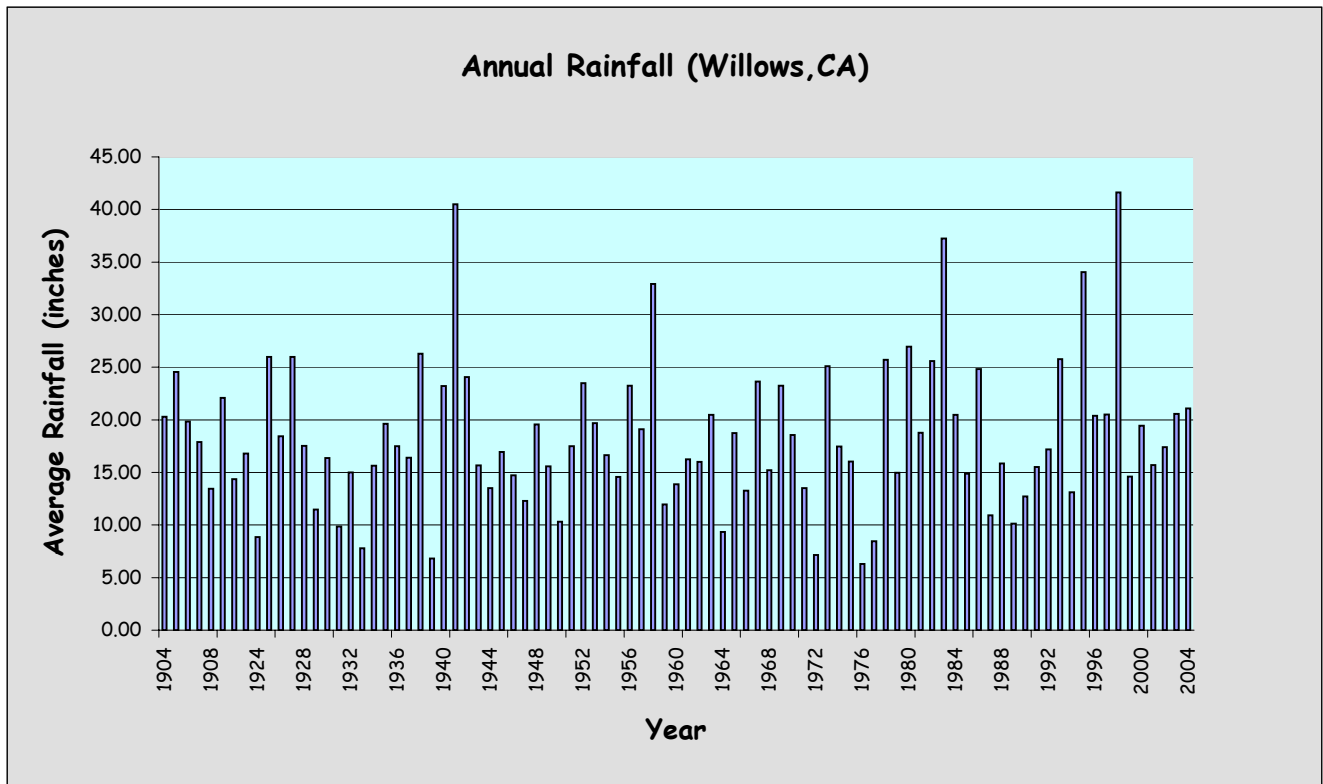
<b>Origin Certification</b>	<b>Number of Inspections</b>
Field Inspections	380
Phyto Certificates Issued	772

## ORGANIC FARMING

<b>Crop</b>	<b>Number of Farms</b>	<b>Acres</b>
Almonds	7	316
Citrus	4	118
Fallow	2	18
Prunes	2	48
Olives	1	3
Rice	6	1,905
Safflower	2	50
Vegetables/Herbs	1	2.5

# ANNUAL RAINFALL at WILLOWS, CALIFORNIA

Year	Inches	Year	Inches	Year	Inches	Year	Inches
1880 - 1881	13.85	1911 - 1912	11.26	1942 - 1943	15.68	1973 - 1974	17.45
1881 - 1882	8.28	1912 - 1913	13.18	1942 - 1944	13.52	1974 - 1975	16.03
1882 - 1883	8.45	1913 - 1914	29.18	1944 - 1945	16.94	1975 - 1976	6.30
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



# STAFF MEMBERS

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