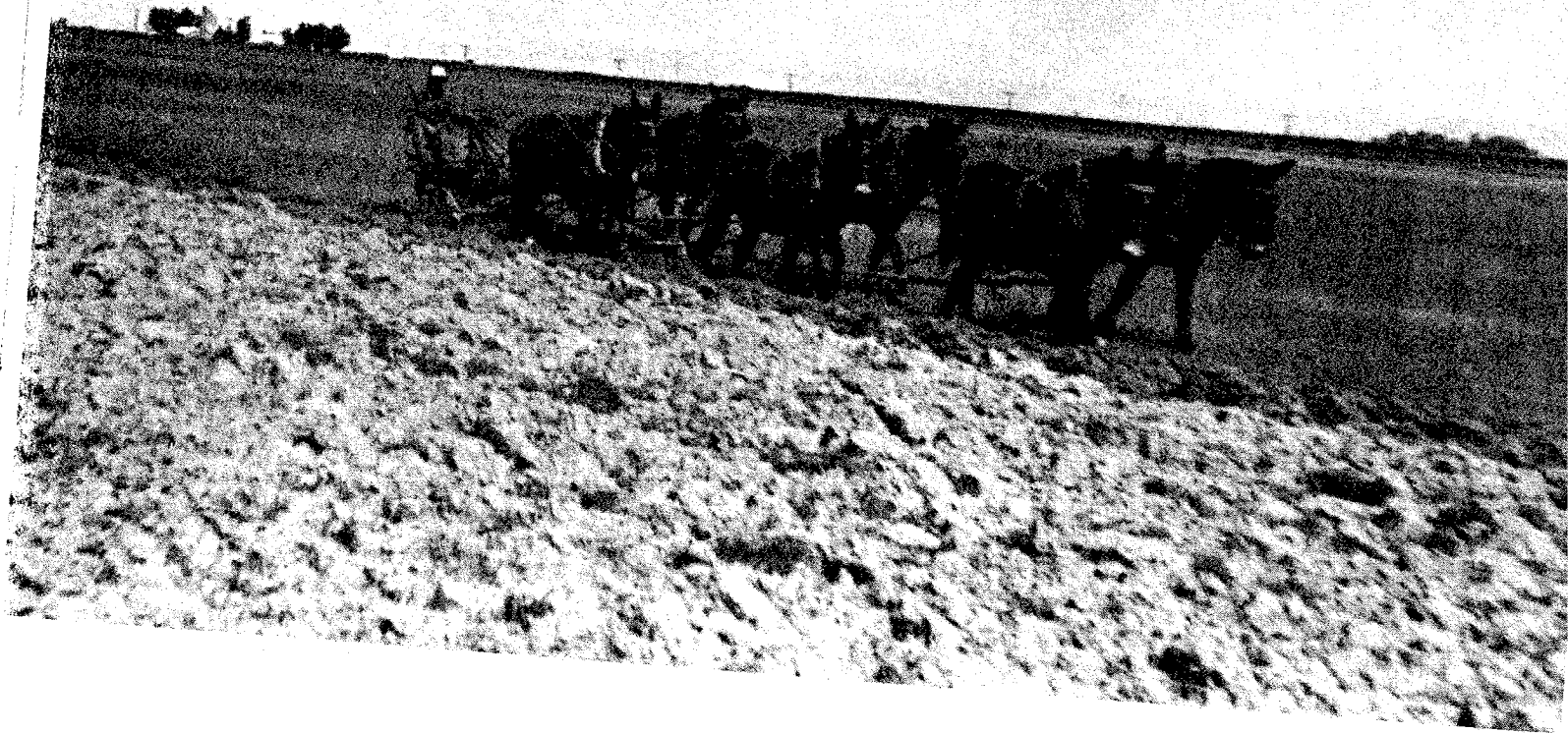


**1989 ANNUAL CROP  
AND LIVESTOCK REPORT  
GLENN COUNTY**



## **FOOD SAFETY**

**This year will undoubtedly be remembered as the year in which food safety became a major concern of the public. Reports concerning Alar on apples and adulterated Chilean fruit served to heighten public awareness and concern over the safety of their fresh food supply. Ironically, at the very same time, the National Academy of Sciences released a 1400 page report strongly encouraging the public to double their consumption of fresh fruits and vegetables.**

**California has long had the well deserved reputation of having the toughest regulations concerning food safety and pesticide usage in the world. California's strong pesticide regulatory program is administered jointly throughout the state by the California Department of Food and Agriculture and the county Agricultural Commissioners. This program utilizes over 650,000 staff hours annually to make certain that pesticides are being used legally and safely. Food grown under California's tight regulatory program is safe.**

**This program is not only the toughest state program in existence but has restrictions on pesticides and their usage which exceed the United States Environmental Protection Agency's standards. While these restrictions substantially increase the cost of agricultural production for California producers over products grown in other states and countries, they provide top protection to farm workers, the environment and consumers of California products. California has long been on the leading edge in developing programs to regulate pesticides and quite often the E.P.A. adopts its pesticide programs based on California's leadership.**

**California's pesticide residue sampling for agricultural products is by far the most extensive program anywhere. The number of residue samples analyzed in this program not only exceeds the total number of samples of all other state programs combined but also exceeds the total number of samples analyzed by the U.S. Food and Drug Administration for the entire nation. Because this program is cooperatively administered by a system of county and state regulatory agencies, it affords a timely response in sampling, analyzing and quarantining any product not meeting the high standards established to insure its safety.**

**While agricultural producers must bear the increased burden of trying to produce top quality products under increasingly tighter restrictions, California's leadership has determined that affording this level of protection is the cost of doing business in California.**

**Other states and countries would be well advised to afford their citizens and environments California's level of protection.**

**The bottom line is that food is safe. The amount of pesticide residue in food is negligible and the best advise is a balanced diet with California fruits and vegetables.**

**GLENN COUNTY  
DEPARTMENT OF AGRICULTURE**

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

**1989 ANNUAL CROP  
AND LIVESTOCK REPORT**

**GLENN COUNTY BOARD OF SUPERVISORS**

Dan Cooper, Chairman

Jim Mann

Joanne Overton

Dick Mudd

George Edwards

**PERSONNEL**

Ed Romano .....	Agricultural Commissioner
W. R. Duckworth, Jr., .....	Assistant Commissioner
Ernest L. Simpson .....	Senior Agricultural Biologist
John F. B. Tolley .....	Senior Agricultural Biologist
Kent A. Wiley .....	Agricultural Biologist III
George M. Stenlund .....	Agricultural Biologist III
Rey Lopez .....	Agricultural Biologist III
Louie B. Mendoza, Jr. ....	Agricultural Biologist III
Larry John .....	Agricultural Biologist Aide
David Odabashian .....	Air Pollution Specialist II
Susie Gleason .....	Senior Secretary
Maureen Bailey .....	Secretary
Cindi Schroeder .....	Secretary

**A LOOK INTO THE PAST** — Cover photo pictures Ivan Brown, of Orland plowing a fifty acre field south of town alongside old Highway 99-W. He is using six head of mules to pull a 16-inch single bottom plow.

County of Glenn

Department of Agriculture

ED ROMANO, Agricultural Commissioner

SEALER OF WEIGHTS & MEASURES

April 06, 1990

Henry Voss, Director  
California Department of Food and Agriculture

- and -

The Honorable Board of Supervisors  
County of Glenn

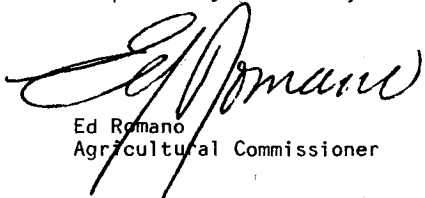
I am pleased to submit the 1989 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agricultural Code.

Agriculture continued to be the leading industry in the county with a gross value of \$211,745,000, an increase of \$24,366,000 over last year. The year also saw Olives move into the counties top ten crops.

Values given in this report are gross receipts received by growers and they in no way reflect the net income to growers.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,



Ed Romano  
Agricultural Commissioner

# *Production and Value of Agricultural Products*

## FIELD CROPS — 1988 - 1989

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1989	3,527	1.00	3,527	Ton	\$ 115.00	\$ 406,000
	1988	3,500	.60	2,100	"	123.00	258,000
Beans	1989	6,307	.84	5,306	"	839.99	4,457,000
	1988	6,451	.66	4,266	"	789.56	3,368,000
Corn	1989	7,366	4.00	29,464	"	116.00	3,418,000
	1988	6,305	4.00	25,220	"	114.00	2,875,000
Hay Alfalfa	1989	18,150	6.50	117,975	"	90.00	10,618,000
	1988	19,000	6.50	123,500	"	85.00	10,498,000
Hay Other	1989	1,150	2.50	2,875	"	70.00	201,000
	1988	1,125	2.50	2,813	"	60.00	169,000
Pasture Irrigated	1989	16,575			Acre	120.00	1,989,000
	1988	16,575			"	110.00	1,823,000
Range	1989	240,000			"	5.00	1,200,000
	1988	240,000			"	6.00	1,440,000
Rice Paddy	1989	69,470	3.90	270,933	Ton	216.00†	58,522,000
	1988	68,984	3.50	241,444	"	223.00†	53,842,000
Silage	1989	3,000	25.00	75,000	"	26.00	1,950,000
	1988	3,100	25.00	77,500	"	23.50	1,821,000
Grain Sorghum	1989	2,088	2.30	4,802	"	120.00	576,000
	1988	1,200	2.10	2,520	"	100.00	252,000
Sugar Beets	1989	8,933	31.98	285,677	"	34.71	9,916,000
	1988	9,663	23.55	227,563	"	30.93	7,039,000
Wheat	1989	28,845	2.30	66,344	"	126.00	8,359,000
	1988	24,000	2.40	57,600	"	130.85	7,537,000
Miscellaneous	1989	2,940					1,202,000
	1988	3,316					464,000
TOTALS	1989	408,351					\$ 102,814,000
	1988	403,219					91,386,000

† Target Price ASCS Office

## *Production and Value of Agricultural Products*

### APIARY PRODUCTS — 1988 - 1989

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1989	3,000	Lb.	\$ .67	\$ 2,000
	1988*	350,000	"	.52	182,000
Beeswax	1989	2,000	"	1.00	2,000
	1988	11,000	"	.82	9,000
Packaged Bees	1989	59,000	"	3.27	193,000
	1988	16,000	"	4.25	68,000
Queen Bees	1989	67,000	Each	4.25	285,000
	1988	56,000	"	4.16	233,000
Pollination	1989				560,000
	1988*				595,000
TOTALS	1989				\$ 1,042,000
	1988*				1,087,000

\* Revised

### SEED CROPS — 1988 - 1989

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1989	482	200	97,000	Lb.	\$ 1.25	\$ 121,000
	1988	935	440	411,400	"	1.25	514,000
Beans	1989	2,783	1,548	4,306,778	"	.41	1,766,000
	1988*	2,102	1,240	2,605,440	"	.37	964,000
Clover	1989	4,207	331	1,391,160	"	1.20	1,669,000
	1988*	5,300	413	2,189,000	"	1.40	3,065,000
Rice	1989	1,972	7,800	15,382,000	"	.11	1,692,000
	1988	1,283	7,000	8,974,000	"	.065	583,000
Safflower	1989	300	2,000	600,000	"	.15	90,000
	1988	1,500	2,000	3,000,000	"	.12	360,000
Sudan	1989	958	2,100	2,011,800	"	.17	342,000
	1988	722	2,700	1,949,400	"	.16	312,000
Sunflower	1989	1,860	1,700	3,162,000	"	.45	1,423,000
	1988	1,800	1,775	3,195,000	"	.70	2,237,000
Vine Crops	1989	1,813					1,616,000
	1988	2,262					1,959,000
Wheat	1989	835	5,000	4,175,000	Lb.	.09	376,000
	1988		Included under other seeds to avoid disclosing individual operations.				
Other Seed	1989	622					124,000
	1988	429					213,000
TOTALS	1989	15,832					\$ 9,219,000
	1988*	16,333					10,207,000

\* Revised

## *Production and Value of Agricultural Products*

### LIVESTOCK AND POULTRY — 1988 - 1989

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1989	24,119	176,748	Cwt.	\$ 69.88	\$ 12,351,000
	1988*	23,192	170,915	"	69.00	11,793,000
Sheep and Lambs	1989	17,365	17,817	"	62.32	1,110,000
	1988	17,576	17,576	"	63.55	1,117,000
Hogs and Pigs	1989	1,706	3,372	"	42.24	142,000
	1988	1,442	2,702	"	40.33	109,000
Poultry	1989	Included under Livestock and Poultry				
	1988	Products to protect individual operations.				
TOTALS	1989					\$ 13,603,000
	1988*					13,019,000

\* Revised

### LIVESTOCK AND POULTRY PRODUCTS — 1988 - 1989

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1989	2,147,895	Cwt.	\$ 12.14	\$ 26,072,000
	1988*	2,046,446	"	10.62	21,742,000
Market	1989	1,562,753	"	12.34	19,284,000
	1988	1,518,069	"	10.88	16,517,000
Manufacturing	1989	585,142	"	11.60	6,788,000
	1988*	528,377	"	9.89	5,226,000
Wool	1989	113,245	Lb.	1.23	139,000
	1988	149,172	"	1.36	203,000
Miscellaneous	1989				125,000
	1988				70,000
TOTALS	1989				\$ 26,336,000
	1988*				22,015,000

\* Revised

### VEGETABLE CROPS — 1988 - 1989

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	Included under Field Crops to avoid disclosing individual operations.						

### NURSERY PRODUCTS — 1988 - 1989

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery Production	1989	398					\$ 4,689,000
	1988	355					3,720,000

## *Production and Value of Agricultural Products*

### FRUIT AND NUT CROPS — 1988 - 1989

COMMODITY	YEAR	BEARING ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1989	14,599	.37	5,402	Meat	\$ 2,300.00	\$ 12,425,000
	1988	14,368	.49	7,073	Ton	2,150.00	15,207,000
Almond Hulls	1989			18,249	Ton	60.00	1,095,000
	1988			13,470	"	50.00	674,000
Citrus	1989	889	11.67	10,377	"	195.00	2,024,000
	1988	889	8.77	7,798	Ton	247.00	1,926,000
Olives	1989	2,150	5.61	12,054	"	478.00	5,762,000
	1988	1,832	3.13	5,732	"	477.00	2,734,000
Prunes	1989	7,108	3.81	27,065	Dried	.692.00	18,729,000
	1988	6,884	2.82	19,381	Ton	777.00	15,059,000
Walnuts	1989	5,470	1.22	6,656	Inshell	1,080.00	7,188,000
	1988	5,912	.84	4,970	Ton	907.00	4,508,000
Misc. Fruits & Nuts	1989	1,781					2,107,000
	1988	1,436					2,788,000
TOTALS	1989						\$ 49,330,000
	1988						42,896,000

## *Production and Value of Forest Products*

### FOREST PRODUCTS — 1988 - 1989

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1989	29,200,000	Board	\$ .16	\$ 4,672,000
	1988*	21,600,000	Feet	.14	3,024,000
Firewood	1989	531	Cord	65.00	35,000
	1988	324	"	60.00	19,000
Christmas Trees	1989	600	Tree	8.00	5,000
	1988	700	"	8.00	6,000
TOTALS	1989				\$ 4,712,000
	1988*				3,049,000

\* Revised



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

Value of Agricultural Production	1988	1989
Field Crops .....	\$ 91,386,000	\$ 102,814,000
Livestock and Poultry .....	13,019,000*	13,603,000
Fruit and Nut Crops .....	42,896,000	49,330,000
Livestock and Poultry Products ....	22,015,000*	26,336,000
Seed Crops .....	10,207,000	9,219,000
Apiary Products .....	1,087,000*	1,042,000
Nursery Products .....	3,720,000	4,689,000
<b>Total Agricultural Production ....</b>	<b>\$ 184,330,000</b>	<b>\$ 207,033,000</b>

### Value of Forest Products

Timber .....	\$ 3,024,000	\$ 4,672,000
Firewood .....	19,000	35,000
Christmas Trees .....	6,000	5,000
<b>Total Forest Production .....</b>	<b>\$ 3,049,000</b>	<b>\$ 4,712,000</b>

Grand Total All Production .... \$ 187,379,000\* ..... \$ 211,745,000

\* Revised

## GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1989 Value
1. Rice .....	\$ 58,522,000
2. Dairy Products .....	26,072,000
3. Prunes .....	18,729,000
4. Almonds .....	12,425,000
5. Cattle and Calves .....	12,351,000
6. Hay, Alfalfa .....	10,618,000
7. Sugar Beets .....	9,916,000
8. Wheat .....	8,359,000
9. Walnuts .....	7,188,000
10. Olives .....	5,762,000

## ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

110 YEARS — 1878 - 1989

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1915-1916	18.11	1952-1953	19.70
1879-1880	13.96	1916-1917	11.43	1953-1954	16.64
1880-1881	13.85	1917-1918	11.90	1954-1955	14.57
1881-1882	8.28	1918-1919	12.90	1955-1956	23.24
1882-1883	8.45	1919-1920	7.70	1956-1957	19.11
1883-1884	18.84	1920-1921	21.28	1957-1958	32.93
1884-1885	7.80	1921-1922	13.44	1958-1959	11.96
1885-1886	19.15	1922-1923	16.81	1959-1960	13.88
1886-1887	8.07	1923-1924	8.86	1960-1961	16.24
1887-1888	8.97	1924-1925	25.99	1961-1962	16.01
1888-1889	10.30	1925-1926	18.44	1962-1963	20.48
1889-1890	29.94	1926-1927	25.99	1963-1964	9.34
1890-1891	19.01	1927-1928	17.54	1964-1965	18.75
1891-1892	18.82	1928-1929	11.46	1965-1966	13.26
1892-1893	27.30	1929-1930	16.37	1966-1967	23.65
1893-1894	11.15	1930-1931	9.85	1967-1968	15.21
1894-1895	26.04	1931-1932	15.01	1968-1969	23.25
1895-1896	22.18	1932-1933	7.79	1969-1970	18.56
1896-1897	18.82	1933-1934	15.65	1970-1971	13.50
1897-1898	6.58	1934-1935	19.62	1971-1972	7.15
1898-1899	13.05	1935-1936	17.48	1972-1973	25.11
1899-1900	15.23	1936-1937	16.40	1973-1974	17.45
1900-1901	17.49	1937-1938	26.28	1974-1975	16.03
1901-1902	21.67	1938-1939	6.82	1975-1976	6.30
1902-1903	17.10	1939-1940	23.21	1976-1977	8.46
1903-1904	20.28	1940-1941	40.50	1977-1978	25.72
1904-1905	24.55	1941-1942	24.07	1978-1979	14.97
1905-1906	19.85	1942-1943	15.68	1979-1980	26.95
1906-1907	17.88	1943-1944	13.52	1980-1981	18.76
1907-1908	13.44	1944-1945	16.94	1981-1982	25.58
1908-1909	22.09	1945-1946	14.72	1982-1983	37.25
1909-1910	14.36	1946-1947	12.28	1983-1984	20.47
1910-1911	17.75	1947-1948	19.56	1984-1985	14.89
1911-1912	11.26	1948-1949	15.59	1985-1986	24.82
1912-1913	13.18	1949-1950	10.32	1986-1987	10.92
1913-1914	29.18	1950-1951	17.48	1987-1988	15.86
1914-1915	27.19	1951-1952	23.50	1988-1989	10.12