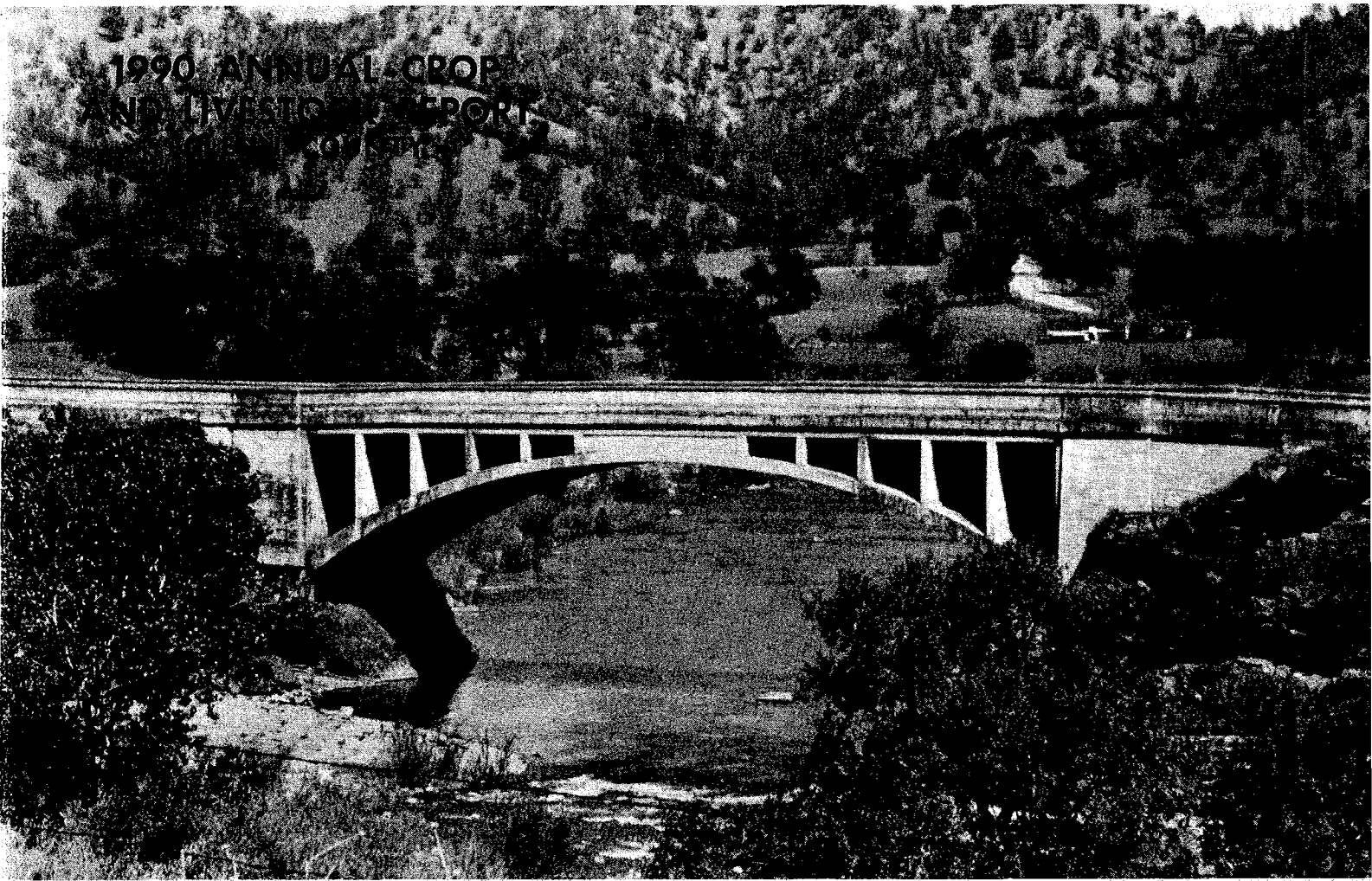


1990 ANNUAL CROP
AND LIVESTOCK REPORT
COUNTY COMMISSIONERS



**GLENN COUNTY
DEPARTMENT OF AGRICULTURE**

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

**1990 ANNUAL CROP
AND LIVESTOCK REPORT**

GLENN COUNTY BOARD OF SUPERVISORS

George Edwards, Chairman

Jim Mann
Dick Mudd

Joanne Overton
Dan Cooper

PERSONNEL

Ed Romano Agricultural Commissioner
W. R. Duckworth, Jr., Assistant Commissioner
Ernest L. Simpson Senior Agricultural Biologist
John F. B. Tolley Senior Agricultural Biologist
George M. Stenlund Agricultural Biologist III
Rey Lopez Agricultural Biologist III
Louie B. Mendoza, Jr. Agricultural Biologist III
Kevin Emanuel Agricultural Biologist I
Jean Miller Agricultural Biologist I
Jim Ward Agriculturalist Biologist Aide
Don Stewart Agriculturalist Biologist Aide
Rick Steward Air Pollution Specialist
Paul Turek Air Pollution Specialist
Susie Gleason Office Manager
Maureen Bailey Senior Secretary
Candy Woods Secretary
Colleen Gustafson Senior Clerical Assistant

Cover photo shows the Winslow Bridge which spans Stony Creek near Elk Creek, and is presently being replaced by a modern structure.

— Photo courtesy of the Willows Journal

County of Glenn

Department of Agriculture

ED ROMANO, Agricultural Commissioner

SEALER OF WEIGHTS & MEASURES

March 25, 1991

Henry Voss, Director
California Department of Food and Agriculture

-and-

The Honorable Board of Supervisors
County of Glenn

I am pleased to submit the 1990 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agriculture Code.

Agricultural continued to be the leading industry in the county with a gross value of \$196,869,000, a decrease, primarily due to the drought, of \$14,186,000 from last year.

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

Included in this crop report, for the first time, is a section on sustainable agriculture. This section will highlight the work being done to eliminate or exclude new pests from entering the county. It also will highlight the organic farming and other sustainable practices being employed in the county. This section will be expanded in future years to include other practices taking place in the county.

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

ER:s

Production and Value of Agricultural Products

FIELD CROPS — 1989 - 1990

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1990	2,369	.40	948	Ton	\$ 113.50	\$ 108,000
	1989	3,527	1.00	3,527	"	115.00	406,000
Beans	1990	6,187	.87	5,383	"	528.40	2,844,000
	1989	6,307	.84	5,306	"	839.99	4,457,000
Corn	1990	7,085	4.00	28,340	"	107.20	3,038,000
	1989	7,366	4.00	29,464	"	116.00	3,418,000
Hay Alfalfa	1990	17,095	6.50	111,118	"	110.00	12,223,000
	1989	18,150	6.50	117,975	"	90.00	10,618,000
Hay Other	1990	977	2.00	1,954	"	75.00	147,000
	1989	1,150	2.50	2,875	"	70.00	201,000
Pasture Irrigated	1990	16,575			Acre	168.00	2,785,000
	1989	16,575			"	120.00	1,989,000
Range	1990	240,000			"	6.00	1,440,000
	1989	240,000			"	5.00	1,200,000
Rice Paddy	1990	62,919	3.75	235,946	Ton	214.60 †	50,634,000
	1989	69,470	3.90	270,933	"	216.00 †	58,522,000
Silage	1990	3,000	24.00	72,000	"	24.00	1,728,000
	1989	3,000	25.00	75,000	"	26.00	1,950,000
Grain Sorghum	1990	1,600	2.30	3,680	"	91.00	335,000
	1989	2,088	2.30	4,802	"	120.00	576,000
Sugar Beets	1990	9,598	24.87	238,702	"	34.47	8,228,000
	1989	8,933	31.98	285,677	"	34.71	9,916,000
Wheat	1990	33,376	2.15	71,758	"	99.33	7,128,000
	1989	28,845	2.30	66,344	"	126.00	8,359,000
Miscellaneous	1990	2,050					929,000
	1989	2,940					1,202,000
TOTALS	1990	402,831				\$	91,567,000
	1989	408,351					102,814,000

† Target Price ASCS Office

Production and Value of Agricultural Products

APIARY PRODUCTS — 1989 - 1990

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1990	76,000	Lb.	\$.48	\$ 36,000
	1989	3,000	"	.67	2,000
Beeswax	1990	2,000	"	1.00	2,000
	1989	2,000	"	1.00	2,000
Packaged Bees	1990	67,000	"	3.68	247,000
	1989	59,000	"	3.27	193,000
Queen Bees	1990	65,000	Each	4.93	320,000
	1989	67,000	"	4.25	285,000
Pollination	1990				610,000
	1989				560,000
TOTALS	1990				\$ 1,215,000
	1989				1,042,000

SEED CROPS — 1989 - 1990

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE	
Alfalfa	1990	612	350	214,200	Lb.	\$ 1.22	\$ 261,000	
	1989	482	200	97,000	"	1.25	121,000	
Beans	1990	2,584	1,445	3,733,880	"	.38	1,419,000	
	1989	2,783	1,548	4,306,778	"	.41	1,766,000	
Clover	1990	3,991	304	1,213,264	"	.97	1,177,000	
	1989	4,207	331	1,391,160	"	1.20	1,669,000	
Rice	1990	2,195	7,500	16,462,500	"	.12	1,976,000	
	1989	1,972	7,800	15,382,000	"	.11	1,692,000	
Safflower	1990	Included under other seeds to avoid disclosing individual operations.						
	1989	300	2,000	600,000	"	.15	90,000	
Sudan	1990	Included under other seeds to avoid disclosing Individual operations.						
	1989	958	2,100	2,011,800	"	.17	342,000	
Sunflower	1990	2,266	1,440	3,262,110	"	.46	1,501,000	
	1989	1,860	1,700	3,162,000	"	.45	1,423,000	
Vine Crops	1990	1,999					1,418,000	
	1989	1,813					1,616,000	
Wheat	1990	838	4,800	4,022,400	"	.10	402,000	
	1989	835	5,000	4,175,000	Lb.	.09	376,000	
Other Seed	1990	1,632					356,000	
	1989	622					124,000	
TOTALS	1990	16,117					\$ 8,510,000	
	1989	15,832					9,219,000	

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1989 - 1990

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1990	23,540	166,487	Cwt.	\$ 77.41	\$ 12,888,000
	1989	24,119	176,748	"	69.88	12,351,000
Sheep and Lambs	1990	18,785	19,274	"	46.31	893,000
	1989	17,365	17,817	"	62.32	1,110,000
Hogs and Pigs	1990	1,785	3,205	"	49.97	160,000
	1989	1,706	3,372	"	42.24	142,000
Poultry	1990	Included under Livestock and Poultry				
	1989	Products to protect individual operations.				
TOTALS	1990					\$ 13,941,000
	1989					13,603,000

LIVESTOCK AND POULTRY PRODUCTS — 1989 - 1990

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1990	2,331,330	Cwt.	\$ 11.74	\$ 27,362,000
	1989	2,147,895	"	12.14	26,072,000
Market	1990	1,752,996	"	11.96	20,966,000
	1989	1,562,753	"	12.34	19,284,000
Manufacturing	1990	578,334	"	11.06	6,396,000
	1989	585,142	"	11.60	6,788,000
Wool	1990	152,113	Lb.	.77	117,000
	1989	113,245	"	1.23	139,000
Miscellaneous	1990				145,000
	1989				125,000
TOTALS	1990				\$ 27,624,000
	1989				26,336,000

VEGETABLE CROPS — 1989 - 1990

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1990	Included Under Field Crops to Avoid					
	1989	Disclosing Individual Operations.					

NURSERY PRODUCTS — 1989 - 1990

COMMODITY	YEAR	ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery Production	1990	390					\$ 5,480,000
	1989	398					4,689,000

Production and Value of Agricultural Products

FRUIT AND NUT CROPS — 1989 - 1990

COMMODITY	YEAR	BEARING ACREAGE	Production Per Acre	Total Production	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1990	14,659	.67	9,821	Meat	\$ 1,650.00	\$ 16,205,000
	1989	14,599	.37	5,402	Ton	2,300.00	12,425,000
Almond Hulls	1990			12,276	Ton	65.00	798,000
	1989			6,752*	"	60.00	405,000*
Citrus	1990	900	3.30	2,973	"	293.00	871,000
	1989	889	11.67	10,377	"	195.00	2,024,000
Olives	1990	2,150	3.47	7,468	"	477.00	3,562,000
	1989	2,150	5.61	12,054	"	478.00	5,762,000
Prunes	1990	7,229	2.30	16,623	Dry	837.00	13,913,000
	1989	7,108	3.81	27,065	Ton	692.00	18,729,000
Walnuts	1990	5,681	.93	5,269	Inshell	1,065.00	5,611,000
	1989	5,470	1.22	6,656	Ton	1,080.00	7,188,000
Misc. Fruits & Nuts	1990	1,377					2,479,000
	1989	1,781					2,107,000
TOTALS	1990	31,996					\$ 43,439,000
	1989	31,997					48,640,000*

* Revised

Production and Value of Forest Products

FOREST PRODUCTS — 1989 - 1990

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1990	36,947,000	Board	\$.13	\$ 4,853,000
	1989	29,200,000	Feet	.16	4,672,000
Firewood	1990	3,402	Cord	60.00	204,000
	1989	531	"	65.00	35,000
Christmas Trees	1990	3,558	Tree	10.00	36,000
	1989	600	"	8.00	5,000
TOTALS	1990				\$ 5,093,000
	1989				4,712,000

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1989 - 1990

PEST EXCLUSION

TERMINAL INSPECTIONS	Number of Shipments	Rejections	PEST
Postal	48		
United Parcel Service	2		
Truck	76	2	{ 1-Joint Vetch (<i>Aeschynomene</i> sp) 1-Quackgrass (<i>Agropyron repens</i>)
Other	2		
ORIGIN CERTIFICATION	Number of Inspections		
Field Inspections	177		
Phytosanitary Certificates Issued	1,009		

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	1	120 Acres
Citrus	6	82 Acres
Fruit Production	6	165 Acres
Ornamentals	1	6,000 Containers
Rice	2	313 Acres
Vegetables	6	13 Acres
Walnuts	1	10.5 Acres
Wheat	1	25 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1989 - 1990

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Puncture Vine <u>Tribulus tenestris</u>	Stem and Seed Weevils <u>Microlarinus lypriformis</u> <u>Microlarinus lareyniei</u>	7 Release Sites
Yellow Star Thistle <u>Centaurea solstitialis</u>	Weevil <u>Bangasternus orientalis</u>	2 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	Number of Locations
Artichoke Thistle <u>Cynara cardunculus</u>	Chemical	1
Dyerswood <u>Isatis tinctoria</u>	Chemical - Mechanical	1
Hoarycress <u>Cardaria draba</u>	Chemical	16
Peppergrass <u>Lepidium latifolium</u>	Chemical	10
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical	2
Russian Knapweed <u>Centaurea repens</u>	Chemical	1
White Horsenettle <u>Solanum elaeagnifolium</u>	Chemical	23

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

Value of Agricultural Production	1989	1990
Field Crops	\$ 102,814,000	\$ 91,567,000
Livestock and Poultry	13,603,000	13,941,000
Fruit and Nut Crops	48,640,000*	43,439,000
Livestock and Poultry Products	26,336,000	27,624,000
Seed Crops	9,219,000	8,510,000
Apiary Products	1,042,000	1,215,000
Nursery Products	4,689,000	5,480,000
Total Agricultural Production ...	\$ 206,343,000*	\$ 191,776,000

Value of Forest Products

Timber	\$ 4,672,000	\$ 4,853,000
Firewood	35,000	204,000
Christmas Trees	5,000	36,000
Total Forest Production	\$ 4,712,000	\$ 5,093,000

Grand Total All Production ... \$ 211,055,000* \$ 196,869,000

* Revised

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1990 Value
1. Rice	\$ 50,634,000
2. Dairy Products	27,362,000
3. Almonds	16,205,000
4. Prunes	13,913,000
5. Cattle and Calves	12,888,000
6. Hay, Alfalfa	12,223,000
7. Sugar Beets	8,228,000
8. Wheat	7,128,000
9. Walnuts	5,611,000
10. Olives	3,562,000

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

111 YEARS — 1878 - 1990

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1916-1917	11.43	1954-1955	14.57
1879-1880	13.96	1917-1918	11.90	1955-1956	23.24
1880-1881	13.85	1918-1919	12.90	1956-1957	19.11
1881-1882	8.28	1919-1920	7.70	1957-1958	32.93
1882-1883	8.45	1920-1921	21.28	1958-1959	11.96
1883-1884	18.84	1921-1922	13.44	1959-1960	13.88
1884-1885	7.80	1922-1923	16.81	1960-1961	16.24
1885-1886	19.15	1923-1924	8.86	1961-1962	16.01
1886-1887	8.07	1924-1925	25.99	1962-1963	20.48
1887-1888	8.97	1925-1926	18.44	1963-1964	9.34
1888-1889	10.30	1926-1927	25.99	1964-1965	18.75
1889-1890	29.94	1927-1928	17.54	1965-1966	13.26
1890-1891	19.01	1928-1929	11.46	1966-1967	23.65
1891-1892	18.82	1929-1930	16.37	1967-1968	15.21
1892-1893	27.30	1930-1931	9.85	1968-1969	23.25
1893-1894	11.15	1931-1932	15.01	1969-1970	18.56
1894-1895	26.04	1932-1933	7.79	1970-1971	13.50
1895-1896	22.18	1933-1934	15.65	1971-1972	7.15
1896-1897	18.82	1934-1935	19.62	1972-1973	25.11
1897-1898	6.58	1935-1936	17.48	1973-1974	17.45
1898-1899	13.05	1936-1937	16.40	1974-1975	16.03
1899-1900	15.23	1937-1938	26.28	1975-1976	6.30
1900-1901	17.49	1938-1939	6.82	1976-1977	8.46
1901-1902	21.67	1939-1940	23.21	1977-1978	25.72
1902-1903	17.10	1940-1941	40.50	1978-1979	14.97
1903-1904	20.28	1941-1942	24.07	1979-1980	26.95
1904-1905	24.55	1942-1943	15.68	1980-1981	18.76
1905-1906	19.85	1943-1944	13.52	1981-1982	25.58
1906-1907	17.88	1944-1945	16.94	1982-1983	37.25
1907-1908	13.44	1945-1946	14.72	1983-1984	20.47
1908-1909	22.09	1946-1947	12.28	1984-1985	14.89
1909-1910	14.36	1947-1948	19.56	1985-1986	24.82
1910-1911	17.75	1948-1949	15.59	1986-1987	10.92
1911-1912	11.26	1949-1950	10.32	1987-1988	15.86
1912-1913	13.18	1950-1951	17.48	1988-1989	10.12
1913-1914	29.18	1951-1952	23.50	1989-1990	12.71
1914-1915	27.19	1952-1953	19.70		
1915-1916	18.11	1953-1954	16.64		