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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Glenn County

1990-1999

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.

This digitization project was funded by the Giannini Foundation of Agricultural Economics, http://giannini.ucop.edu/ .

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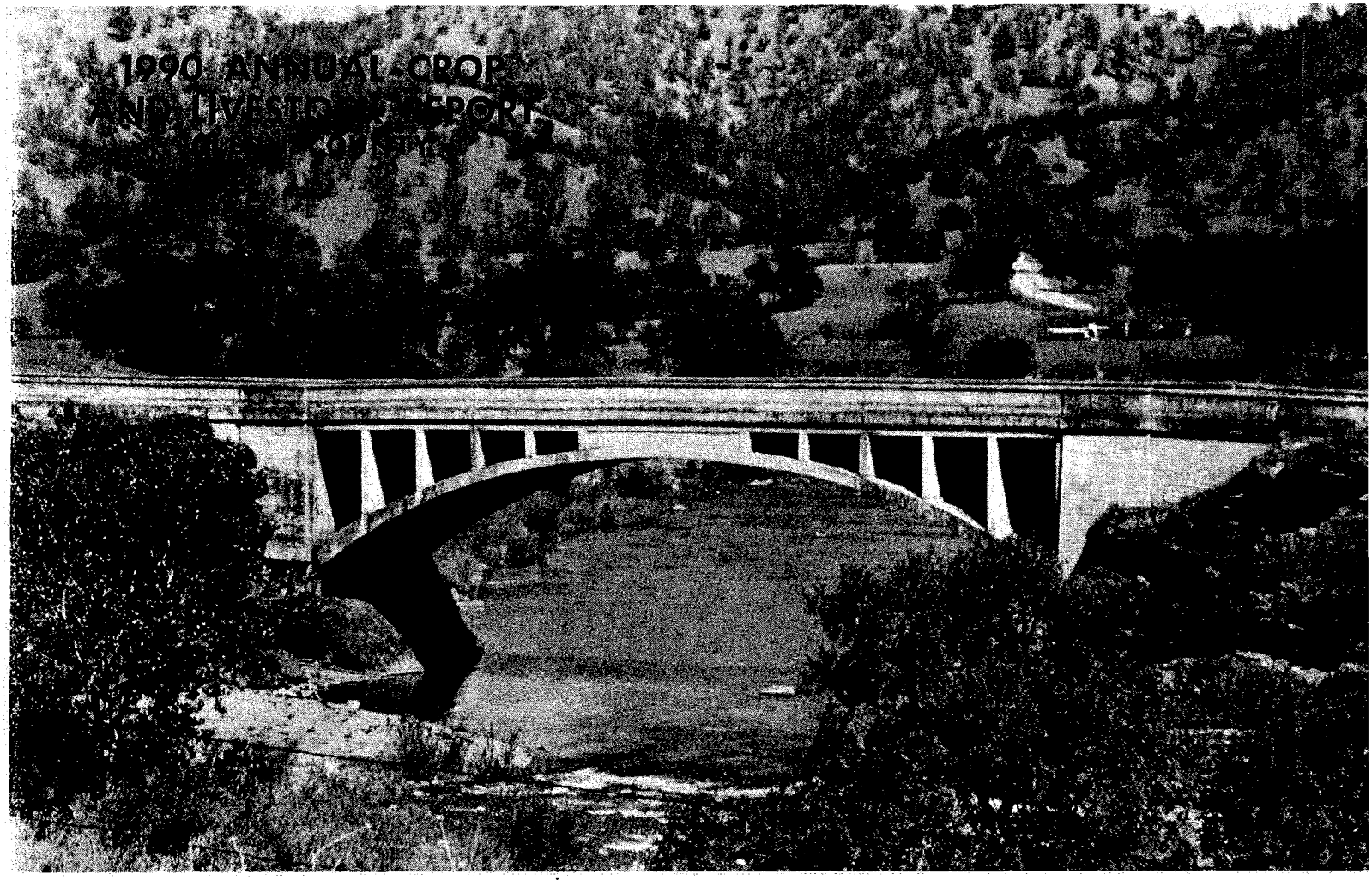
1990 ANNUAL CROP
AND LIVESTOCK REPORT

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
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Maureen Bailey ..... Senior Secretary
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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

Ed Romano
Agricultural Commissioner

ER:s

720 N. Colusa Street • P. O. Box 351 • Willows, California 95988 • Phone (916) 934-6501 or 865-4280

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 Disclosing Individual Operations.					
	1989						

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 (Aeschynomene sp) 1-Quackgrass (Agropyron repens)
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 *Tribulus tenestris*	Stem and Seed Weevils *Microlarinus lypriformis* *Microlarinus lareyniei*	7 Release Sites
Yellow Star Thistle *Centaurea solstitialis*	Weevil *Bangasternus orientalis*	2 Release Sites

PEST ERADICATION

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

VALUE OF AGRICULTURAL AND FOREST PRODUCTION
GLENN COUNTY, CALIFORNIA

Vallue 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

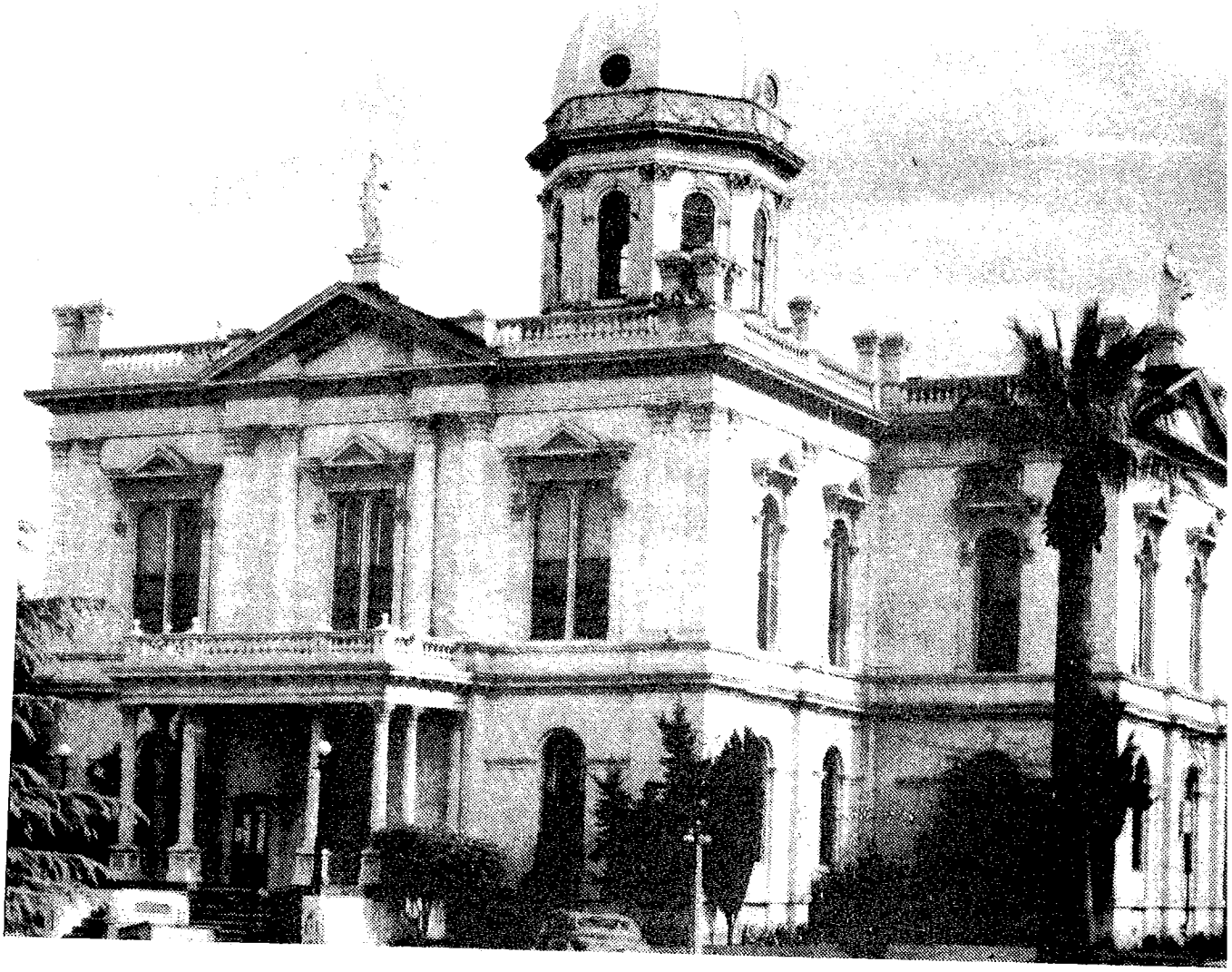
111 YEARS — 1878 - 1990

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		

ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY

1991



GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1991 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Joanne Overton, Chairman

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Cover photos show the Glenn County Courthouse in Willows, past and present — 1881 to 1991.
— Front cover photo courtesy of the Willows Library
— Back cover photo courtesy of the Willows Journal

County of Glenn

DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 13, 1992

Henry Voss, Director
California Department of Food and Agriculture

-and-

The Honorable Board of Supervisors
County of Glenn

The 1991 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural continues to be the leading industry in the County with a gross value of $189,570,000, a decrease of $7,974,000 from last year, primarily due to drought, the freeze and bad weather during almond pollination season.

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 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

Ed Romano
Agricultural Commissioner

ER:s

720 N. Colusa St. - P. O. Box 351 - Willows, California 95988 - Phone (916) 934-6501 or 865-1133 - FAX (916) 934-6503

Production and Value of Agricultural Products

FIELD CROPS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1991	2,136	.93	1,986	Ton	$104.17	$207,000
	1990	2,369	.40	948	"	113.50	108,000
Beans	1991	4,673	.89	4,159	"	606.41	2,522,000
	1990	6,187	.87	5,383	"	528.40	2,844,000
Corn	1991	7,274	4.20	30,551	"	110.00	3,361,000
	1990	7,085	4.00	28,340	"	107.20	3,038,000
Hay	1991	20,327	7.00	142,289	"	85.00	12,095,000
Alfalfa	1990	17,095	6.50	111,118	"	110.00	12,223,000
Hay	1991	1,345	2.50	3,363	"	60.00	202,000
Other	1990	977	2.00	1,954	"	75.00	147,000
Pasture	1991	16,575			Acre	120.00	1,989,000
Irrigated	1990	16,575			"	168.00	2,785,000
Range	1991	240,000			"	6.00	1,440,000
	1990	240,000			"	6.00	1,440,000
Rice	1991	53,335	3.90	208,007	Ton	214.20†	44,555,000
Paddy	1990	62,919	3.75	235,946	"	214.60†	50,634,000
Silage	1991	3,000	24.00	72,000	"	24.00	1,728,000
	1990	3,000	24.00	72,000	"	24.00	1,728,000
Grain	1991	1,536	2.30	3,533	"	106.00	374,000
Sorghum	1990	1,600	2.30	3,680	"	91.00	335,000
Sugar	1991	11,684	26.59	310,677	"	34.44	10,700,000
Beets	1990	9,598	24.87	238,702	"	34.47	8,228,000
Wheat	1991	26,132	2.40	62,717	"	103.00	6,460,000
	1990	33,376	2.15	71,758	"	99.33	7,128,000
Miscellaneous	1991	2,215					990,000
	1990	2,050					929,000
TOTALS	**1991**	**390,232**					**$86,623,000**
	1990	**402,831**					**91,567,000**

† Target Price ASCS Office

VEGETABLE CROPS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1991	Included under Field Crops to avoid disclosing individual operations.					
	1990						

Production and Value of Agricultural Products

APIARY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1991	222,000	Lb.	$.50	$111,000
	1990	76,000	"	.48	36,000
Beeswax	1991	5,000	"	1.00	5,000
	1990	2,000	"	1.00	2,000
Packaged Bees	1991	70,000	"	3.67	257,000
	1990	67,000	"	3.68	247,000
Queen Bees	1991	70,000	Each	4.74	332,000
	1990	65,000	"	4.93	320,000
Pollination	1991				560,000
	1990				610,000
TOTALS	**1991**				**$1,265,000**
	1990				**1,215,000**

SEED CROPS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1991	317	551	174,531	Lb.	$1.08	$188,000
	1990	612	350	214,200	"	1.22	261,000
Beans	1991	2,680	1,486	3,981,310	"	.33	1,314,000
	1990	2,584	1,445	3,733,880	"	.38	1,419,000
Clover, all	1991	2,524	348	878,664	"	1.28	1,125,000
	1990	3,991	304	1,213,264	"	.97	1,177,000
Rice	1991	2,179	7,800	16,996,200	"	.11	1,870,000
	1990	2,195	7,500	16,462,500	"	.12	1,976,000
Vine Crops	1991	1,239					1,182,000
	1990	1,999					1,418,000
Wheat	1991	610	4,800	2,928,000	Lb.	.06	176,000
	1990	838	4,800	4,022,400	"	.10	402,000
Other Seed	1991	5,985					2,210,000
	1990	3,898					1,857,000
TOTALS	**1991**	**15,534**					**$8,065,000**
	1990	**16,117**					**8,510,000**

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1990 - 1991

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1991	22,054	154,946	Cwt.	$78.15	$12,109,000
	1990	23,540	173,139*	"	74.43*	12,887,000*
Sheep and Lambs	1991	19,069	19,565	"	48.60	951,000
	1990	18,785	19,274	"	46.31	893,000
Hogs and Pigs	1991	1,995	3,700	"	47.82	177,000
	1990	1,785	3,205	"	49.97	160,000
Poultry	1991	Included under Livestock and Poultry Products to protect individual operations.				
	1990					
TOTALS	**1991**					**$13,237,000**
	1990					**13,940,000***

* Revised

LIVESTOCK AND POULTRY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1991	2,455,765	Cwt.	$10.98	$26,965,000
	1990	2,331,330	"	11.74	27,362,000
Market	1991	1,901,404	"	11.17	21,239,000
	1990	1,752,996	"	11.96	20,966,000
Manufacturing	1991	554,361	"	10.33	5,726,000
	1990	578,334	"	11.06	6,396,000
Wool	1991	125,525	Lb.	.53	67,000
	1990	152,113	"	.77	117,000
Miscellaneous	1991				144,000
	1990				145,000
TOTALS	**1991**				**$27,176,000**
	1990				**27,624,000**

NURSERY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	**1991**	**331**					**$2,693,000**
Production	**1990**	**390**					**5,480,000**

Production and Value of Agricultural Products

FRUIT AND NUT CROPS — 1990 - 1991

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1991	15,121	.43	6,502	Meat	$2,200.00	$14,304,000
	1990	14,659	.67	9,821	Ton	1,650.00	16,205,000
Almond Hulls	1991			8,128	Ton	53.00	431,000
	1990			12,276	"	65.00	798,000
Citrus	1991	785	2.79	2,192	"	489.00	1,072,000
	1990	861	3.58	3,085	"	499.00	1,539,000*
Olives	1991	2,245	4.84	10,863	"	525.73	5,711,000
	1990	2,150	3.47	7,468	"	477.00	3,562,000
Pistachios	1991	522	.60	313	"	2,960.00	927,000
	1990	Included under Miscellaneous Fruits and Nuts					
Prunes	1991	7,379	1.68	12,397	Dry	1,042.00	12,918,000
	1990	7,229	2.30	16,623	Tons	837.00	13,913,000
Walnuts	1991	5,875	1.27	7,437	Inshell	1,125.00	8,367,000
	1990	5,681	.93	5,269	Ton	1,065.00	5,611,000
Miscellaneous Fruits & Nuts	1991	1,067					1,163,000
	1990	1,377					2,479,000
TOTALS	**1991**	**32,994**					**$44,893,000**
	1990	**31,957**					**44,107,000***

* Revised

Production and Value of Forest Products

FOREST PRODUCTS — 1990 - 1991

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1991	34,875,000	Board	$.16	$5,563,000
	1990	36,947,000	Feet	.13	4,853,000
Firewood	1991	607	Cord	65.00	39,000
	1990	3,402	"	60.00	204,000
Christmas Trees	1991	1,700	Each	10.00	17,000
	1990	3,558	"	10.00	36,000
TOTALS	**1991**				**$5,619,000**
	1990				**5,093,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1990 - 1991

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	34	0	
United Parcel Service	0	0	
Truck	27	0	
Other	2	0	

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	189
Phyto Certificates Issued	810

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	5	221 Acres
Dried Beans/Peas	1	40 Acres
Citrus	3	61 Acres
Oats	1	23 Acres
Plums	1	3 Acres
Rice	6	1,908 Acres
Vegetables	2	41 Acres
Walnuts	1	10 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1990 - 1991

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle Carduus tenuiflorus	Weevil Rhenocyllus conicus	2 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Microlarinus lypriformis Microlarinus lareyniei	5 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	2 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle Cynara cardunculus	Chemical - Mechanical	2
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	1
Hoarycress Cardaria draba	Chemical	16
Peppergrass Lepidium latifolium	Chemical	10
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	2
Russian Knapweed Centaurea repens	Chemical	1
White Horsenettle Solanum elaeagnifolium	Chemical	23

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1990	1991
Field Crops	$91,567,000	$86,623,000
Livestock and Poultry	13,940,000*	13,237,000
Fruit and Nut Crops	44,107,000*	44,893,000
Livestock and Poultry Products	27,624,000	27,176,000
Seed Crops	8,510,000	8,065,000
Apiary Products	1,215,000	1,265,000
Nursery Products	5,480,000	2,693,000
Total Agricultural Production	**$192,444,000***	**$183,952,000**

Value of Forest Products	1990	1991
Timber	$4,853,000	$5,563,000
Firewood	204,000	39,000
Christmas Trees	36,000	17,000
Total Forest Products	**$5,093,000**	**$5,619,000**
Grand Total All Production	**$197,544,000***	**$189,571,000**

* Revised

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1991 Value
1. Rice	$44,555,000
2. Dairy Products	26,965,000
3. Almonds	14,304,000
4. Prunes	12,918,000
5. Cattle and Calves	12,109,000
6. Hay, Alfalfa	12,095,000
7. Sugar Beets	10,700,000
8. Walnuts	8,367,000
9. Wheat	6,460,000
10. Olives	5,711,000

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

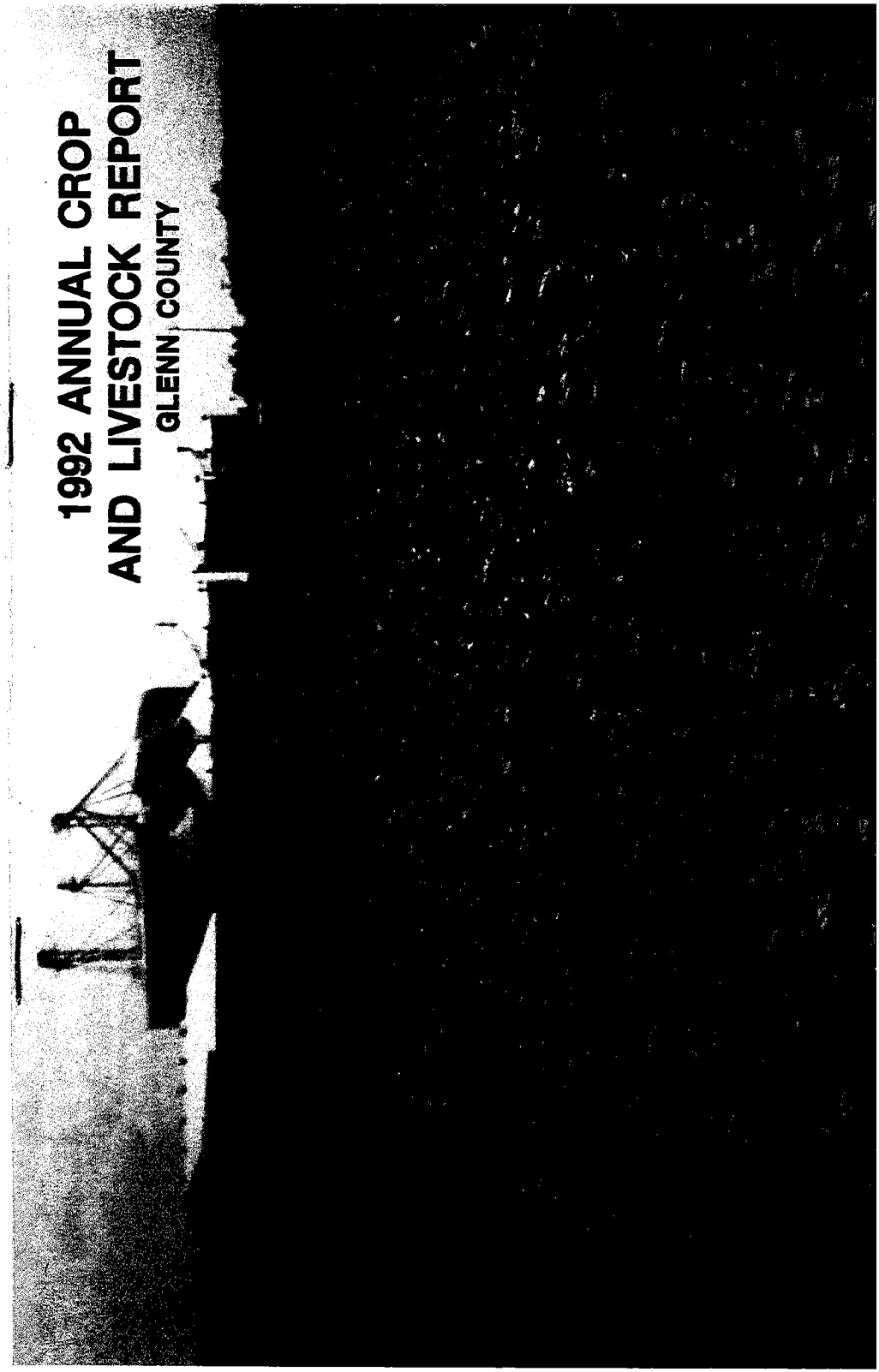
112 YEARS — 1878 - 1991

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	1990-1991	15.51
1915-1916	18.11	1953-1954	16.64		

GLENN COUNTY
DEPARTMENT OF AGRICULTURE
P. O. Box 351
Willows, CA 95988

1992 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY



GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1992 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Jim Mann, Chairman

Joanne Overton — Ken Burbank

Dick Mudd — Marilyn Baker

PERSONNEL

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

Cover photo: Sunflowers in Bloom by Jean Miller

County of Glenn

DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

May 3, 1993

Henry Voss, Director
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

The 1992 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural production reached a record high of $217,802,000 primarily due to the exceptional growing season for rice, almonds, and prunes.

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

The report includes a section on sustainable agriculture which highlights organic farming, pest exclusion, biological control, and other sustainable practices being employed 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:m

720 N. Colusa St. - P. O. Box 351 - Willows, California 95988 - Phone (916) 934-6501 or 865-1133 - FAX (916) 934-6503

Production and Value of Agricultural Products

FIELD CROPS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1992	1,600	.98	1,568	Ton	$101.00	$158,000
	1991	2,136	.93	1,986	"	104.17	207,000
Beans	1992	3,321	.85	2,823	"	653.22	1,844,000
	1991	4,673	.89	4,159	"	606.41	2,522,000
Corn	1992	9,500	4.50	42,750	"	96.00	4,104,000
	1991	7,274	4.20	30,551	"	110.00	3,361,000
Hay Alfalfa	1992	19,323	7.00	135,261	"	75.00	10,145,000
	1991	20,327	7.00	142,289	"	85.00	12,095,000
Hay Other	1992	800	2.00	1,600	"	55.00	88,000
	1991	1,345	2.50	3,363	"	60.00	202,000
Pasture Irrigated	1992	16,575			Acre	120.00	1,989,000
	1991	16,575			"	120.00	1,989,000
Range	1992	240,000			"	7.00	1,680,000
	1991	240,000			"	6.00	1,440,000
Rice Paddy	1992	63,900	4.30	274,770	Ton	214.20†	58,856,000
	1991	53,335	3.90	208,007	"	214.20†	44,555,000
Silage	1992	3,200	25.00	80,000	"	26.00	2,080,000
	1991	3,000	24.00	72,000	"	24.00	1,728,000
Grain Sorghum	1992	1,260	2.30	2,898	"	90.00	261,000
	1991	1,536	2.30	3,533	"	106.00	374,000
Sugar Beets	1992	7,070	25.40	179,578	"	32.12	5,768,000
	1991	11,684	26.59	310,677	"	34.44	10,700,000
Wheat	1992	28,089	2.43	68,256	"	110.00	7,508,000
	1991	26,132	2.40	62,717	"	103.00	6,460,000
Miscellaneous	1992	2,535					1,159,000
	1991	2,215					990,000
TOTALS	**1992**	**397,173**					**$95,640,000**
	1991	**390,232**					**86,623,000**

† Target Price ASCS Office

VEGETABLE CROPS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1992	Included under Field Crops to avoid disclosing individual operations.					
	1991						

Production and Value of Agricultural Products

APIARY PRODUCTS — 1991 - 1992

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1992	140,000	Lb.	$.51	$71,000
	1991	222,000	"	.50	111,000
Beeswax	1992	3,000	"	1.00	3,000
	1991	5,000	"	1.00	5,000
Packaged Bees	1992	52,000	"	4.78	249,000
	1991	70,000	"	3.67	257,000
Queen Bees	1992	77,000	Each	5.05	389,000
	1991	70,000	"	4.74	332,000
Pollination	1992				780,000
	1991				560,000
TOTALS	**1992**				**$1,492,000**
	1991				**1,265,000**

SEED CROPS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1992	275	508	139,795	Lb.	$1.04	$145,000
	1991	317	551	174,531	"	1.08	188,000
Beans	1992	2,246	1,689	3,793,494	"	.39	1,479,000
	1991	2,680	1,486	3,981,310	"	.33	1,314,000
Clover, all	1992	3,880	284	1,101,902	"	1.54	1,697,000
	1991	2,524	348	878,664	"	1.28	1,125,000
Rice	1992	1,909	8,400	16,036,000	"	.11	1,764,000
	1991	2,179	7,800	16,996,200	"	.11	1,870,000
Vine Crops	1992	2,031					1,875,000
	1991	1,239					1,182,000
Wheat	1992	977	4,800	4,690,000	Lb.	.10	469,000
	1991	610	4,800	2,928,000	"	.06	176,000
Other Seed	1992	3,511					2,024,000
	1991	5,985					2,210,000
TOTALS	**1992**	**14,829**					**$9,453,000**
	1991	**15,534**					**8,065,000**

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1991 - 1992

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1992	21,892	163,188	Cwt.	$72.49	$11,829,000
	1991	22,054	154,946	"	78.15	12,109,000
Sheep and Lambs	1992	21,165	21,715	"	57.06	1,239,000
	1991	19,069	19,565	"	48.60	951,000
Hogs and Pigs	1992	1,761	3,275	"	46.00	151,000
	1991	1,995	3,700	"	47.82	177,000
Poultry	1992	Included under Livestock and Poultry Products				
	1991	to protect individual operations.				
TOTALS	**1992**					**$13,219,000**
	1991					**13,237,000**

LIVESTOCK AND POULTRY PRODUCTS — 1991 - 1992

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1992	2,580,235	Cwt.	$11.46	$29,578,000
	1991	2,455,765	"	10.98	26,966,000*
Market	1992	2,015,252	"	11.61	23,397,000
	1991	1,901,404	"	11.17	21,239,000
Manufacturing	1992	564,983	"	10.94	6,181,000
	1991	554,361	"	10.33	5,726,000
Wool	1992	90,539	Lb.	.66	60,000
	1991	125,525	"	.53	67,000
Miscellaneous	1992				183,000
	1991				144,000
TOTALS	**1992**				**$29,821,000**
	1991				**27,177,000***

* Revised

NURSERY PRODUCTS — 1991 - 1992

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	**1992**	**185**					**$2,161,000**
Production	**1991**	**331**					**2,693,000**

Production and Value of Agricultural Product

FRUIT AND NUT CROPS — 1991 - 1992

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1992	16,051	.52	8,330	Meat	$2,485.00	$20,700,000
	1991	15,121	.43	6,502	Ton	2,200.00	14,304,000
Almond Hulls	1992			10,413	Ton	45.00	469,000
	1991			8,128	"	53.00	431,000
Citrus	1992	808	12.60	10,184	"	268.65	2,736,000
	1991	785	2.79	2,192	"	489.00	1,072,000
Olives	1992	2,545	4.69	11,944	"	542.24	6,477,000
	1991	2,245	4.84	10,863	"	525.73	5,711,000
Pistachios	1992	767	.96	738	Inshell	1,764.00	1,302,000
	1991	522	.60	313	Ton	2,960.00	926,000
Prunes	1992	7,906	2.92	23,079	Dry	966.00	22,294,000
	1991	7,379	1.68	12,397	Ton	1,042.00	12,918,000
Walnuts	1992	5,930	1.09	6,445	Inshell	1,300.00	8,379,000
	1991	5,875	1.27	7,437	Ton	1,125.00	8,367,000
Miscellaneous Fruits & Nuts	1992	1,047					1,721,000
	1991	1,067					1,163,000
TOTALS	**1992**	**35,054**					**$64,078,000**
	1991	**32,994**					**44,892,000**

Production and Value of Forest Products

FOREST PRODUCTS — 1991 - 1992

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1992	13,600,000	Board	$.137	$1,851,000
	1991	34,875,000	Feet	.16	5,563,000
Firewood	1992	876	Cord	65.00	57,000
	1991	607	"	65.00	39,000
Christmas Trees	1992	2,469	Each	12.00	30,000
	1991	1,700	"	10.00	17,000
TOTALS	**1992**				**$1,938,000**
	1991				**5,619,000**

Production and Value of Agricultural Product

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1991 - 1992

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	104	0	
United Parcel Service	0	0	
Truck	2,902	0	
Other	290	0	
ORIGIN CERTIFICATION	**NUMBER OF INSPECTIONS**		
Field Inspections	169		
Phyto Certificates Issued	851		

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	6	224 Acres
Dried Beans/Peas	1	40 Acres
Citrus	4	61 Acres
Oats	1	22 Acres
Plums	1	3 Acres
Rice	6	653 Acres
Vegetables	6	8 Acres
Walnuts	1	10 Acres

Production and Value of Agricultural Produc

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1991 - 1992

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle Carduus tenuiflorus	Weevil Rhenocyllus conicus	2 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Microlarinus lypriformis Microlarinus lareyniei	5 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	5 Release Sites
	Fly Urophora sirunaseva	2 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle Cynara cardunculus	Chemical - Mechanical	2
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	1
Hoarycress Cardaria draba	Chemical	16
Peppergrass Lepidium latifolium	Chemical	10
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	2
Russian Knapweed Centaurea repens	Chemical	1
White Horsenettle Solanum elaeagnifolium	Chemical	23

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1991	1992
Field Crops	$86,623,000	$95,640,000
Livestock and Poultry	13,237,000	13,219,000
Fruit and Nut Crops	44,892,000*	64,078,000
Livestock and Poultry Products	27,177,000*	29,821,000
Seed Crops	8,065,000	9,453,000
Apiary Products	1,265,000	1,492,000
Nursery Products	2,693,000	2,161,000
Total Agricultural Production	**$183,952,000**	**$215,864,000**

Value of Forest Products	1991	1992
Timber	$5,563,000	$1,851,000
Firewood	39,000	57,000
Christmas Trees	17,000	30,000
Total Forest Products	**$5,619,000**	**$1,938,000**
Grand Total All Production	**$189,571,000**	**$217,802,000**

* Revised

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1992 Value
1. Rice	$58,856,000
2. Dairy Products	29,578,000
3. Prunes	22,294,000
4. Almonds	20,700,000
5. Cattle and Calves	11,829,000
6. Hay, Alfalfa	10,145,000
7. Walnuts	8,379,000
8. Wheat	7,508,000
9. Olives	6,477,000
10. Sugar Beets	5,768,000

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

113 YEARS — 1878 - 1992

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	1990-1991	15.51
1915-1916	18.11	1953-1954	16.64	1991-1992	17.19

1993 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY

GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1993 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Dick Mudd Chairman

Keith Hansen — Ken Burbank

Charles Harris — Marilyn Baker

PERSONNEL

Ed Romano ..... Agricultural Commissioner
W. R. Duckworth, Jr ..... Assistant Commissioner
Ernest L. Simpson ..... Senior Agricultural Biologist
John F. B. Tolley ..... Senior Agricultural Biologist
Rey Lopez ..... Agricultural Biologist III
Louie B. Mendoza, Jr ..... Agricultural Biologist III
Jean Miller ..... Agricultural Biologist III
Bob Birdseye ..... Agricultural Biologist Aide
Susie Gleason ..... Office Manager
Maureen Bailey... ..... Senior Secretary
Colleen Gustafson ..... Senior Clerical Assistant
Rick Steward ..... Senior Air Pollution Specialist
Kevin Tokunaga ..... Air Pollution Specialist
Candy Woods ..... Air Pollution Assistant
Trudy Silveira ..... Secretary

Cover photo:Baled rice stubble from rice fields in Glenn County

County of Glenn

DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 22, 1994

Henry Voss, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

The 1993 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural production for 1993 shows a gross value of $252,898,000, an increase from the 1992 record high of $34,296,000. This is primarily due to a rise in the field crop production.

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

Ed Romano
Agricultural Commissioner

ER:s

720 N. Colusa St. - P. O. Box 351 - Willows, California 95988 - Phone (916) 934-6501 or 865-1133 - FAX (916) 934-6503

Production and Value of Agricultural Products

FIELD CROPS — 1992 - 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1993	1,953	1.09	2,129	Ton	$108.00	$230,000
	1992	1,600	.98	1,568	"	101.00	158,000
Beans	1993	4,018	.825	3,315	"	642.44	2,130,000
	1992	3,321	.85	2,823	"	653.22	1,844,000
Corn	1993	10,721	5.07	54,356	"	112.67	6,124,000
	1992	9,500	4.50	42,750	"	96.00	4,104,000
Hay	1993	17,585	7.00	123,095	"	100.00	12,310,000
Alfalfa	1992	19,323	7.00	135,261	"	75.00	10,145,000
Hay	1993	6,759	2.30	15,546	"	80.00	1,244,000
Other	1992	800	2.00	1,600	"	55.00	88,000
Pasture	1993	16,575			Acre	120.00	1,989,000
Irrigated	1992	16,575			"	120.00	1,989,000
Range	1993	240,000			"	7.00	1,680,000
	1992	240,000			"	7.00	1,680,000
Rice	1993	77,424	4.30	332,923	Ton	214.20†	71,312,000
Paddy	1992	63,900	4.30	274,770	"	214.20†	58,856,000
Silage	1993	2,092	25.00	52,000	"	30.00	1,560,000
	1992	3,200	25.00	80,000	"	26.00	2,080,000
Grain	1993	1,418	2.30	3,261	"	98.80	322,000
Sorghum	1992	1,260	2.30	2,898	"	90.00	261,000
Sugar	1993	8,352	23.05	192,525	"	27.91	5,373,000
Beets	1992	7,070	25.40	179,578	"	32.12	5,768,000
Wheat	1993	31,760	2.60	82,576	"	105.67	8,726,000
	1992	28,089	2.43	68,256	"	110.00	7,508,000
Miscellaneous	1993	8,674					3,076,000
	1992	2,535					1,159,000
TOTALS	1993	427,331					$116,076,000
	1992	397,173					$ 95,640,000

† Target Price ASCS Office

VEGETABLE CROPS — 1992- 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1993	Included under Field Crops to avoid disclosing individual operations.					
	1992						

Production and Value of Agricultural Products

APIARY PRODUCTS — 1992 - 1993

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1993	710,000	Lb.	$.48	$343,000
	1992	140,000	"	.51	71,000
Beeswax	1993	17,000	"	1.23	21,000
	1992	3,000	"	1.00	3,000
Packaged Bees	1993	108,000	"	4.75	513,000
	1992	52,000	"	4.78	249,000
Queen Bees	1993	122,000	Each	4.11	575,000
	1992	77,000	"	5.05	389,000
Pollination	1993				810,000
	1992				780,000
TOTALS	1993				$2,262,000
	1992				1,492,000

SEED CROPS — 1992- 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1993	Included under miscellaneous to avoid disclosure of individual operations.					
	1992	275	508	139,795	Lb.	$1.04	145,000
Beans	1993	2,561	1,381	3,537,575	"	.35	1,253,000
	1992	2,246	1,689	3,793,494	"	.39	1,479,000
Clover, all	1993	3,783	464	1,753,634	"	1.40	2,460,000
	1992	3,880	284	1,101,902	"	1.54	1,697,000
Rice	1993	2,924	8,500	24,854,000	"	.11	2,734,000
	1992	1,909	8,400	16,036,000	"	.11	1,764,000
Vine Crops	1993	1,458			"		1,511,000
	1992	2,031					1,875,000
Wheat	1993	859	5,000	4,295,000	Lb.	.14	601,000
	1992	977	4,800	4,690,000,	"	.10	469,000
Other Seed	1993	5,184					1,904,000
	1992	3,511					2,024,000
TOTALS	1993	16,769					$10,463,000
	1992	14,829					9,452,000

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1992- 1993

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1993	21,688	162,177	Cwt.	76.64	$12,429,000
	1992	21,892	163,188	"	72.49	11,829,000*
Sheep and Lambs	1993	15,344	15,743	"	61.34	966,000
	1992	21,165	21,715	"	57.06	1,239,000
Hogs and Pigs	1993	1,547	2,910	"	45.08	131,000
	1992	1,761	3,275	"	46.00	151,000
Poultry	1993	Included under Livestock and Poultry Products to protect individual operations.				
	1992					
TOTALS	1993					$13,526,000
	1992					13,219,000*

*Revised

LIVESTOCK AND POULTRY PRODUCTS — 1992- 1993

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1993	2,677,931	Cwt.	$11.35	$30,393,000
	1992	2,580,235	"	11.46	29,578,000
Market	1993	2,064,020	"	11.44	23,609,000
	1992	2,015,252	"	11.61	23,397,000
Manufacturing	1993	613,911	"	11.05	6,784,000
	1992	564,983	"	10.94	6,181,000
Wool	1993	80,250	Lb.	.405	33,000
	1992	90,539	"	.66	60,000
Miscellaneous	1993				170,000
	1992				183,000
TOTALS	1993				$30,596,000
	1992				29,821,000

NURSERY PRODUCTS — 1992- 1993

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery Production	1993	206					$2,374,000
	1992	185					2,161,000

Production and Value of Agricultural Products

FRUIT AND NUT CROPS — 1992- 1993

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1993	16,700	.51	8,517	Meat	3,984.00	$33,932,000
	1992	16,051	.55	8,849*	Ton	2,485.00	21,990,000*
Almond Hulls	1993			10,646	Ton	55.00	586,000
	1992			10,413	"	45.00	469,000
Citrus	1993	846	11.45	9,688	"	263.00	2,548,000
	1992	808	12.60	10,184	"	268.65	2,736,000*
Olives	1993	3,045	3.85	11,736	"	382.33	4,487,000
	1992	2,545	4.69	11,944	"	542.24	6,477,000
Pistachios	1993	770	.65	497	Inshell	1,964.34	976,000
	1992	767	.96	738	Ton	1,764.00	1,302,000
Prunes	1993	8,217	2.02	16,568	Dry	1,125.00	18,639,000
	1992	7,906	2.92	23,079	Ton	966.00	22,294,000
Walnuts	1993	6,120	1.31	8,042	Inshell	1,340.00	10,776,000
	1992	5,930	1.09	6,445	Ton	1,300.00	8,379,000
Miscellaneous	1993	1,297					1,864,000
Fruits & Nuts	1992	1,047					1,721,000
TOTALS	1993	36,995					$73,808,000
	1992	35,054					65,368,000*

* Revised

Production and Value of Forest Products

FOREST PRODUCTS — 1992- 1993

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1993	13,300,000	Board	$.22	$2,910,000
	1992	13,600,000	Feet	.137	1,851,000
Firewood	1993	1,086	Cord	65.00	71,000
	1992	876	"	65.00	57,000
Christmas Trees	1993	2,046	Each	14.00	29,000
	1992	2,469	"	12.00	30,000
TOTALS	1993				$3,010,000
	1992				1,938,000

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1992 - 1993

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	211	0	
United Parcel Service	0	0	
Truck	6,074	0	
Other	3,547	0	
ORIGIN CERTIFICATION	**NUMBER OF INSPECTIONS**		
Field Inspections	183		
Phyto Certificates Issued	947		

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	7	242 Acres
Citrus	3	71 Acres
Fruit Production	3	3 Acres
Dried Beans/Peas	1	40 Acres
Rice	5	730Acres
Vegetables	7	9 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1992 - 1993

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle Carduus tenuiflorus	Weevil Rhenocvllus conicus	3 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Microlarinus lypriformis Microlarinus lareyniei	10 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	10 Release Sites
	Fly Urophora sirunaseva	3 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle Cynara cardunculus	Chemical - Mechanical	2
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	3
Hoarycress Cardaria draba	Chemical	17
Peppergrass Lepidium latifolium	Chemical	10
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	2
Russian Knapweed Centaurea repens	Chemical	1
White Horsenettle Solanum elaeagnifolium	Chemical	24
Dalmation Toadflax Linaria dalmatica	Chemical	9

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1992	1993
Field Crops	$95,640,000	$116,076,00(
Livestock and Poultry	13,219,000*	13,526,00(
Fruit and Nut Crops	65,368,000*	73,808,00(
Livestock and Poultry Products	29,821,000	30,596,00(
Seed Crops	9,453,000	10,446,00(
Apiary Products	1,492,000	2,262,00(
Nursery Products	2,161,000	2,374,00(
Total Agricultural Production	**$217,154,000***	**$249,088,000**

Value of Forest Products	1992	1993
Timber	$1,851,000	$2,910,000
Firewood	57,000	71,000
Christmas Trees	30,000	29,000
Total Forest Products	**$1,938,000**	**$3,010,000**

Grand Total All Production	**$219,092,000***	**$252,098,000**

* Revised

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1993Value
1. Rice	$71,312,000
2. Almonds	33,932,000
3. Dairy Products	30,393,000
4. Prunes	18,639,000
5. Cattle and Calves	12,429,000
6. Hay, Alfalfa	12,310,000
7. Walnuts	10,776,000
8. Wheat	8,726,000
9. Corn	6,124,000
10. Sugar Beets	5,373,000

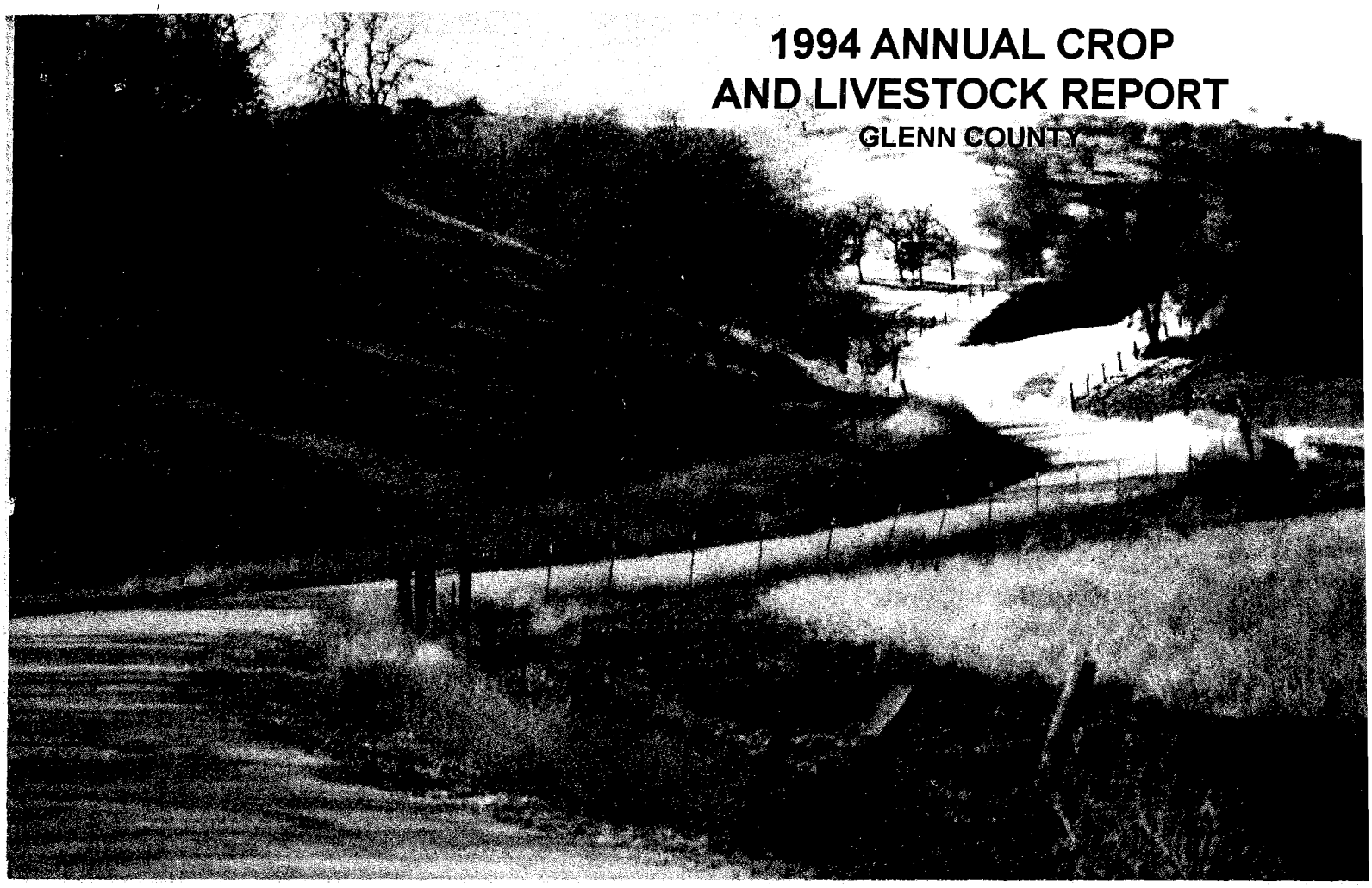
ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

112 YEARS — 1878 - 1992

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	1990-1991	15.51
1915-1916	18.11	1953-1954	16.64	1992-1993	25.76

1994 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY



GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1994 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Marilyn Baker, Chairman

Keith Hansen — Ken Burbank

Charles Harris — Dick Mudd

PERSONNEL

Ed Romano ..... Agricultural Commissioner
W. R. Duckworth, Jr ..... Assistant Commissioner
Ernest L. Simpson ..... Senior Agricultural Biologist
John F. B. Tolley ..... Senior Agricultural Biologist
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Jean Miller ..... Agricultural Biologist III
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Susie Gleason ..... Office Manager
Maureen Bailey ..... Senior Secretary
Candy Woods ..... Air Pollution Assistant
Colleen Gustafson ..... Senior Clerical Assistant
Trudy Silveira ..... Secretary

Cover photo - Taken west of Orland
Newville Road and County Road 306

County of Glenn Department of Agricultu

ED ROMANO, Agricultural Commiss
SEALER OF WEIGHTS & MEASI

April 05, 1995

Henry Voss, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

The 1994 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agricultural production for 1994 shows a gross value of $259,603,000, an increase of $7,488,000 from 1993. This is primarily due to an increase in rice production.

Value given in this report is 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

ER:s

720 N. Colusa Street • P.O. Box 351 • Willows, California 95988 • Phone (916) 934-6501 Or 865-1

Production and Value of Agricultural Products

FIELD CROPS — 1993 - 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1994	2,904	1.56	4530	Ton	$114.00	$516,000
	1993	1,953	1.09	2129	"	108.00	230,000
Beans	1994	1,629	.92	1499	"	593.73	890,000
	1993	4,018	.83	3315	"	642.53	2,130,000
Corn	1994	10,010	5.20	52,052	"	101.49	5,283,000
	1993	10,721	5.07	54,356	"	112.67	6,124,000
Hay	1994	19,275	7.93	152,815	"	81.57	12,465,000
Alfalfa	1993	17,585	7.00	123,095	"	100.00	12,310,000
Hay	1994	6,500	2.50	16,250	"	75.00	1,219,000
Other	1993	6,759	2.30	15,546	"	80.00	1,244,000
Pasture	1994	16,575			Acre	120.00	1,989,000
Irrigated	1993	16,575			"	120.00	1,989,000
Range	1994	240,000			"	7.00	1,680,000
	1993	240,000			"	7.00	1,680,000
Rice	1994	83,822	4.40	368,397	Ton	214.20†	78,911,000
Paddy	1993	77,424	4.30	332,923	"	214.20†	71,312,000
Silage	1994	3,060	25.00	76,500	"	28.00	2,142,000
	1993	2,092	25.00	52,000	"	30.00	1,560,000
Grain	1994	525	2.30	1,208	"	103.67	125,000
Sorghum	1993	1,418	2.30	3,261	"	98.80	322,000
Sugar	1994	8,964	35.17	315,307	"	31.87	10,049,000
Beets	1993	8,352	23.05	192,525	"	27.91	5,373,000
Wheat	1994	27,085	2.77	75,025	"	106.48	7,989,000
	1993	31,760	2.60	82,576	"	105.67	8,726,000
Miscellaneous	1994	8,025					3,439,000
	1993	8,674					3,076,000
TOTALS	**1994**	**428,374**					**$126,697,000**
	1993	**327,331**					**$116,076,000**

† Target Price ASCS Office

VEGETABLE CROPS — 1993- 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1994	Included under Field Crops					
	1993	to avoid disclosing individual operations.					

Production and Value of Agricultural Products

APIARY PRODUCTS — 1993 - 1994

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1994	6,000	Lb.	$0.50	$ 3,000
	1993	710,000	"	0.48	343,000
Beeswax	1994	1,000	"	1.00	1,000
	1993	17,000	"	1.24*	21,000
Packaged Bees	1994	101,000	"	4.25	429,000
	1993	108,000	"	4.75	513,000
Queen Bees	1994	124,000	Each	5.25	651,000
	1993	122,000	"	4.71*	575,000
Pollination	1994				897,000
	1993				810,000
TOTALS	**1994**				**$1,981,000**
	1993				**$2,262,000**

*Revised

SEED CROPS — 1993 - 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	1994	3,130	1,971	6,167,710	Lb.	$0.37	$2,257,000
	1993	2,561	1,381	3,537,575	Lb.	0.35	1,253,000
Clover, all	1994	3,267	325	1,061,905	"	1.39	1,476,000
	1993	3,783	464	1,753,634	"	1.40	2,460,000
Rice	1994	2,712	9,600	26,035,200	"	.084	2,187,000
	1993	2,924	8,500	24,854,000	"	.110	2,734,000
Vine Crops	1994	862			"		1,176,000
	1993	1,458			"		1,511,000
Wheat	1994	1,158	5,400	6,253,200	"	.10	625,000
	1993	859	5,000	4,295,000	"	.14	601,000
Other Seed	1994	6,833			"		3,051,000
	1993	5,184			"		1,904,000
TOTALS	**1994**						**$10,772,000**
	1993						**$10,463,000**

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1993 -1994

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1994	28,039	205,370	Cwt.	67.70	$13,903,000
	1993	21,688	162,177	"	76.64	12,429,000
Sheep and Lambs	1994	7,545	7,742	"	60.32	467,000
	1993	15,344	15,743	"	61.36	966,000
Hogs and Pigs	1994	1,662	2,950	"	40.68	120,000
	1993	1,547	2,910	"	45.02	131,000
Poultry	1994	Included under Livestock and Poultry Products to protect individual operations.				
	1993					
TOTALS	1994					$14,490,000
	1993					$13,526,000

LIVESTOCK AND POULTRY PRODUCTS — 1993 - 1994

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1994	2,833,553	Cwt.	11.21	$31,769,000
	1993	2,677,931	"	11.35	30,393,000
Market	1994	2,365,807	"	11.42	27,018,000
	1993	2,064,020	"	11.44	23,609,000
Manufacturing	1994	467,746	"	10.16	4,751,000
	1993	613,911	"	11.05	6,784,000
Wool	1994	76,188	Lb.	.58	44,000
	1993	80,250	"	.41	33,000
Miscellaneous	1994				216,000
	1993				170,000
TOTALS	1994				$32,029,000
	1993				$30,596,000

NURSERY PRODUCTS — 1993 - 1994

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1994	202					$2,322,000
Production	1993	206					$2,374,000

Production and Value of Agricultural Products

FRUIT AND NUT CROPS — 1993- 1994

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1994	17,200	.63	10,918	Meat	2,230.00	$24,347,000
	1993	16,700	.51	8,517	Ton	3,984.00	33,932,000
Almond Hulls	1994			13,647	Ton	58.00	792,000
	1993			10,646	"	55.00	586,000
Citrus	1994	890	11.27	10,027	"	272.00	2,729,000
	1993	846	11.45	9,688	"	263.00	2,548,000
Grapes	1994	1092	9.17	10,014	"	233.37	2,337,000
	1993	Included under miuscellaneous to avoid disclosing individual operations.					
Olives	1994	3,445	2.41	8,291	"	389.75	3,231,000
	1993	3,045	3.85	11,736	"	382.33	4,487,000
Prunes	1994	8,420	2.39	20,135	Dry	999.00	20,120,000
	1993	8,217	2.02	16,568	Tons	1,125.00	18,639,000
Pistachios	1994	745	.35	261	Inshell	2,160.00	564,000
	1993	770	.65	497	Ton	1,964.00	976,000
Walnuts	1994	6,520	1.00	6,498	"	1,946.00	12,647,000
	1993	6,120	1.31	8,042	"	1,340.00	10,776,000
Miscellaneous	1994	149					171,000
Fruits & Nuts	1993	1,297					1,864,000
TOTALS	**1994**	**17,962**					**$66,938,000**
	1993	**16,769**					**$73,808,000**

Production and Value of Forest Products

FOREST PRODUCTS — 1993 - 1994

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1994	9,400,000	Board	$0.46	$4,320,000
	1993	13,300,000	Feet	$0.22	2,910,000
Firewood	1994	519	Cord	69.00	36,000
	1993	1,086	"	65.00	71,000
Christmas Trees	1994	1,533	Each	12.00	18,000
	1993	2,046	"	14.00	29,000
TOTALS	**1994**				**$4,374,000**
	1993				**$3,010,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1993 - 1994

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	232	1	Grape Phylloxera
United Parcel Post		2	Ozonium Root Rot
Truck	1146	1	European Corn Borer
Other	1538	0	
ORIGIN CERTIFICATION	**NUMBER OF INSPECTIONS**		
Field Inspections	183		
Phyto Certificates Issued	1014		

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	4	191 Acres
Citrus	4	55 Acres
Fruit Production	3	3 Acres
Corn	1	50 Acres
Rice	3	724 Acres
Vegetables/Herbs	7	9 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1993 - 1994

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle Carduus tenuiflorus	Weevil Rhenocyllus conicus	3 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Microlarinus lypriformis Microlarinus lareyniei	13 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	16 Release Sites
	Fly Urophor sirunaseva	5 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle Cynara cardunculus	Chemical - Mechanical	3
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	3
Hoarycress Cardaria draba	Chemical	17
Peppergrass Lepidium latifolium	Chemical	8
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	3
Russian Knapweed Centaurea repens	Chemical	2
Diffused Knapweed Centaurea diffusa	Chemical	2
White Horsenettle Solanum elaeagnifolium	Chemical	22

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1993	1994
Field Crops	$116,076,000	$126,697,000
Livestock and Poultry	13,526,000	14,490,000
Fruit and Nut Crops	73,808,000	66,938,000
Livestock and Poultry Products	30,596,000	32,029,000
Seed Crops	10,463,000	10,772,000
Apiary Products	2,262,000	1,981,000
Nursery Products	2,374,000	2,322,000
Total Agricultural Production	**$249,105,000**	**$255,229,000**

Value of Forest Products	1993	1994
Timber	$2,910,000	$4,320,000
Firewood	71,000	36,000
Christmas Trees	29,000	18,000
Total Forest Products	**$3,010,000**	**$4,374,000**
Grand Total All Production	**$252,115,000**	**$259,603,000**

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1994 Value
1. Rice	$78,911,000
2. Dairy Products	32,029,000
3. Almonds	24,347,000
4. Prunes	20,120,000
5. Cattle and Calves	13,903,000
6. Walnuts	12,647,000
7. Hay, Alfalfa	12,465,000
8. Sugar Beets	10,049,000
9. Wheat	7,989,000
10. Corn	5,283,000

1995 ANNUAL CROP
AND LIVESTOCK REPORT
GLENN COUN

GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1995 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Gary Freeman, Chairman

Charles Harris, Sr. — Dick Mudd

Keith Hansen — Denny Bungarz

PERSONNEL

Ed Romano ..... Agricultural Commissioner
W. R. Duckworth, Jr ..... Assistant Commissioner
Ernest L. Simpson ..... Senior Agricultural Biologist
John F. B. Tolley ..... Senior Agricultural Biologist
Rey Lopez ..... Agricultural Biologist III
Jean Miller ..... Agricultural Biologist III
Helmut Bloo ..... Agricultural Biologist I
Bob Birdseye ..... Agricultural Biologist II
Rick Steward ..... Senior Air Pollution Specialist
Kevin Tokunaga ..... Senior Air Pollution Specialist
Susie Gleason ..... Office Manager
Maureen Bailey ..... Senior Secretary
Candy Woods ..... Air Pollution Assistant
Colleen Gustafson ..... Senior Clerical Assistant
Trudy Silveira ..... Secretary

Photo Cover:
Almond Orchard in Bloom
Near Ord Bend, California

County of Glenn

DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 15, 1996

Ann M. Veneman, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

The 1995 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agricultural Code.

Agriculture production for 1995 shows a gross value of $240,986,000, a decrease of $18,493,000 from 1994. The decrease is a direct result of the severe storms and flooding that Glenn County experienced in 1995.

Four (4) major crops were significantly effected; rice, wheat, sugar beets and almonds.

Rice yields declined resulting in a $6,399,000 loss; sugar beet acreage was reduced by 65 percent resulting in a loss of $7,386,000 in revenue. Almond yields were reduced by 50 percent but an increase in price per pound allowed total almond value to remain near 1994 values.

The economical impact of these yield reductions and loss has been felt by processors, packers and especially by the employees of these industries.

Value given in this report is 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 report.

Respectfully submitted,

Ed Romano
Agricultural Commissioner

WRB:s

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Production and Value of Agricultural Products

FIELD CROPS — 1994 - 1995

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1995	1,985	1.10	2,184	Ton	$126.60	$276,000
	1994	2,904	1.56	4,530	"	114.00	516,000
Beans	1995	2,802	1.04	2,914	"	594.37	1,732,000
	1994	1,629	.92	1,499	"	593.73	890,000
Corn	1995	10,412	5.02	52,268	"	119.00	6,220,000
	1994	10,010	5.20	52,052	"	101.49	5,283,000
Cotton Lint	1995	756	1.08	816	500lb. Bale	383.50	313,000
Cotton Seed	1995			33,864	Ton	190.00	64,000
					"		
Hay	1995	18,158	6.50	118,027	Acre	100.00	11,815,000
Alfalfa	1994	19,275	7.93	152,815	"	81.57	12,465,000
Hay	1995	4,694	2.50	11,735	Acre	75.00	880,000
Other	1994	6,500	2.50	16,250	"	75.00	1,219,000
Pasture	1995	16,575			Acre	120.00	1,989,000
Irrigated	1994	16,575			"	120.00	1,989,000
Range	1995	240,000			"	7.00	1,680,000
	1994	240,000			"	7.00	1,680,000
Rice	1995	84,631	4.00	338,524	Ton	214.20†	72,512,000
Paddy	1994	83,822	4.40	368,397	"	214.20†	78,911.000
Safflower	1995	1,000	.75	750	"	300.00	225,000
					"		
Silage	1995	2,900	20.00	58,000	"	22.00	1,276,000
	1994	3,606	25.00	76,500	"	28.00	2,142,000
Grain	1995	388	2.00	776	"	95.00	74,000
Sorghum	1994	525	2.30	1,208	"	103.67	125,000
Sugar	1995	3,221	25.48	82,071	"	32.45	2,663,000
Beets	1994	8,964	35.17	315,307	"	31.87	10,049,000
Wheat	1995	23,115	1.24	28,663	"	117.14	3,358,000
	1994	27,085	2.77	75,025	"	106.48	7,989,000
Miscellaneous	1995	348					580,000
	1994	8,025					3,439,000
TOTALS	**1995**						**$105,657,000**
	1994	**428,374**					**$126,697,000**

† Target Price ASCS Office

VEGETABLE CROPS — 1994 1995

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1995	1696	Included under field crops to avoid disclosing individual operations.				$3,090,000
	1994						

Production and Value of Agricultural Products

APIARY PRODUCTS — 1994- 1995

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1995	490,000	Lb.	$ .74	$363,000
	1994	6,000	"	0.50	3,000
Beeswax	1995	14,000	"	1.21	17,000
	1994	1,000	"	1.00	1,000
Packaged Bees	1995	104,000	"	4.35	452,000
	1994	101,000	"	4.25	429,000
Queen Bees	1995	121,000	Each	5.30	641,000
	1994	124,000	"	5.25	527,000*
Pollination	1995				925,000
	1994				897,000
TOTALS	**1995**				**$2,398,000**
	1994				**$1,857,000***

***Revised**

SEED CROPS — 1994 - 1995

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1995	185	369	68,265	Lb.	$1.40	$96,000
					"		
Beans	1995	3,949	1,725	6,812,025	"	.38	2,589,000
	1994	3,130	1,971	6,167,710	"	0.37	2,257,000
Clover, all	1995	2,894	471	1,363,140	"	1.43	1,950,000
	1994	3,267	325	1,061,905	"	1.39	1,476,000
Rice	1995	2,308	7,300	16,848,400	"	.106	1,786,000
	1994	2,712	9,600	26,035,200	"	.084	2,187,000
Sunflower	1995	8,248	1,179	9,724,392	"	.55	5,348,000
					"		
Vine Crops	1995	1,396					905,000
	1994	862					1,176,000
Wheat	1995	550	4,690	2,577,900	Lb.	.06	155,000
	1994	1,158	5,400	6,253,200	"	.10	625,000
Other Seed	1995	1,710					619,000
	1994	6,833					3,051,000
TOTALS	**1995**						**$13,448,000**
	1994						**$10,772,000**

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1994- 1995

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1995	26,638	195,097	Cwt.	56.50	$11,023,000
	1994	28,039	205,370	"	67.70	13,903,000
Sheep and Lambs	1995	7,525	7,721	"	79.05	610,000
	1994	7,545	7,742	"	60.32	467,000
Hogs and Pigs	1995	1,662	2,888	"	42.51	123,000
	1994	1,662	2,950	"	40.68	120,000
Poultry	1995	Included under Livestock and Poultry Products				
	1994	to protect individual operations.				
TOTALS	**1995**					**$11,756,000**
	1994					**$14,490,000**

LIVESTOCK AND POULTRY PRODUCTS — 1994- 1995

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1995	2,687,198	Cwt.	11.57	$31,078,000
	1994	2,833,553	"	11.21	31,769,000
Market	1995	2,179,989	"	11.55	25,185,000
	1994	2,365,807	"	11.42	27,018,000
Manufacturing	1995	507,209	"	11.62	5,893,000
	1994	467,746	"	10.16	4,751,000
Wool	1995	75,985	Lb.	.90	69,000
	1994	76,188	"	.58	44,000
Miscellaneous	1995				245,000
	1994				216,000
TOTALS	**1995**				**$31,392,000**
	1994				**$32,029,000**

NURSERY PRODUCTS — 1994- 1995

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery Production	**1995**	**182**					**$2,151,000**
	1994	**202**					**$2,322,000**

Production and Value of Agricultural Products

FRUIT AND NUT CROPS — 1994 -1995

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1995	17,301	.32	5,536	Meat	$5,200.00	$28,789,000
	1994	17,200	.63	10,918	Ton	2,230.00	24,347,000
Almond Hulls	1995			7,750	Ton	83.75	649,000
	1994			13,647	"	58.00	792,000
Citrus	1995	805	9.05	7,285	"	260.00	1,894,000
	1994	890	11.27	10,027	"	272.00	2,729,000
Grapes	1995	1,093	8.60	9,392	"	229.69	2,157,000
	1994	1,092	9.17	10,014	"	233.37	2,337,000
Olives	1995	3,745	3.10	11,626	"	539.00	6,266,000
	1994	3,445	2.41	8,291	"	389.75	3,231,000
Prunes	1995	8,330	1.87	16,153	Dry	998.00	16,121,000
	1994	8,420	2.39	20,135	Tons	999.00	20,120,000
Pistachios	1995	747	1.28	956	Inshell	2,500.00	2,390,000
	1994	745	.35	261	Ton	2,160.00	564,000
Walnuts	1995	6,710	1.06	7,121	Inshell	1,220.00	8,688,000
	1994	6,520	1.00	6,498	Ton	1,964.00	12,647,000
Miscellaneous Fruits & Nuts	1995	123					177,000
	1994	149					171,000
TOTALS	**1995**						**$67,129,000**
	1994						**$66,938,000**

Production and Value of Forest Products

FOREST PRODUCTS — 1994- 1995

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1995	8,600,000	Board	$.45	$3,890,000
	1994	9,400,000	Feet	$.46	4,320,000
Firewood	1995	687	Cord	70.00	48,000
	1994	519	"	69.00	36,000
Christmas Trees	1995	1,825	Each	15.00	27,000
	1994	1,533	"	12.00	18,000
TOTALS	**1995**				**$3,965,000**
	1994				**$4,374,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1994 - 1995

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	138		
United Parcel Service			
Truck	4357		
Other	1483		
ORIGIN CERTIFICATION	**NUMBER OF INSPECTIONS**		
Field Inspections	566		
Phyto Certificates Issued	2309		

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	2	128 Acres
Citrus	3	52 Acres
Corn	1	25 Acres
Fruit Production	1	3.Acres
Rice	4	1,042 Acres
Vegetables/Herbs	5	6 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1994 - 1995

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly *Siphonius phillyreae*	Wasp *Encarsia Sp.*	7 Release Sites
	Beetle *Clitostethus arcuatus*	3 Release Sites
Italian Thistle *Carduus tenuiflorus*	Weevil *Rhenocyllus conicus*	3 Release Sites
Puncture Vine *Tribulus tenestris*	Stem and Seed Weevils *Microlarinus lypriformis* *Microlarinus lareyniei*	15 Release Sites
Yellow Star Thistle *Centaurea solstitialis*	Weevil *Bangasternus orientalis*	24.Release Sites
	Eusteaapus villosus	5 Release Sites
	Fly *Urophra sirunaseva*	5 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle *Cirsium arvense*	Chemical - Mechanical	1
Dyerswoad *Isatis tinctoria*	Chemical - Mechanical	1
Hoarycress *Cardaria draba*	Chemical	17
Peppergrass *Lepidium latifolium*	Chemical	8
Plumeless Thistle *Carduus acanthoides*	Chemical - Mechanical	3
Russian Knapweed *Centaurea repens*	Chemical	2
White Horsenettle *Solanum elaeagnifolium*	Chemical	22

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1994	1995
Field Crops	$126,697,000	$105,657,000
Livestock and Poultry	14,490,000	11,756,000
Fruit and Nut Crops	66,938,000*	67,129,000
Livestock and Poultry Products	32,029,000	31,392,000
Seed Crops	10,772,000	13,448,000
Apiary Products	1,857,000*	2,398,000
Nursery Products	2,322,000	2,151,000
Vegetable Crops	-0-	3,090,000
Total Agricultural Production	**$255,105,000***	**$237,021,000**

Value of Forest Products	1994	1995
Timber	$4,320,000	$3,890,000
Firewood	36,000	48,000
Christmas Trees	18,000	27,000
Total Forest Products	**$4,374,000**	**$3,965,000**

Grand Total All Production	**$259,479,000***	**$240,986,000**

***Revised**

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1995 Value
1. Rice	$72,512,000
2. Dairy Products	31,078,000
3. Almonds	28,789,000
4. Prunes	16,121,000
5. Cattle and Calves	11,023,000
6. Hay, Alfalfa	11,815,000
7. Walnuts	8,688,000
8. Olives	6,266,000
9. Corn	6,220,000
10. Sunflower Seed	5,348,000

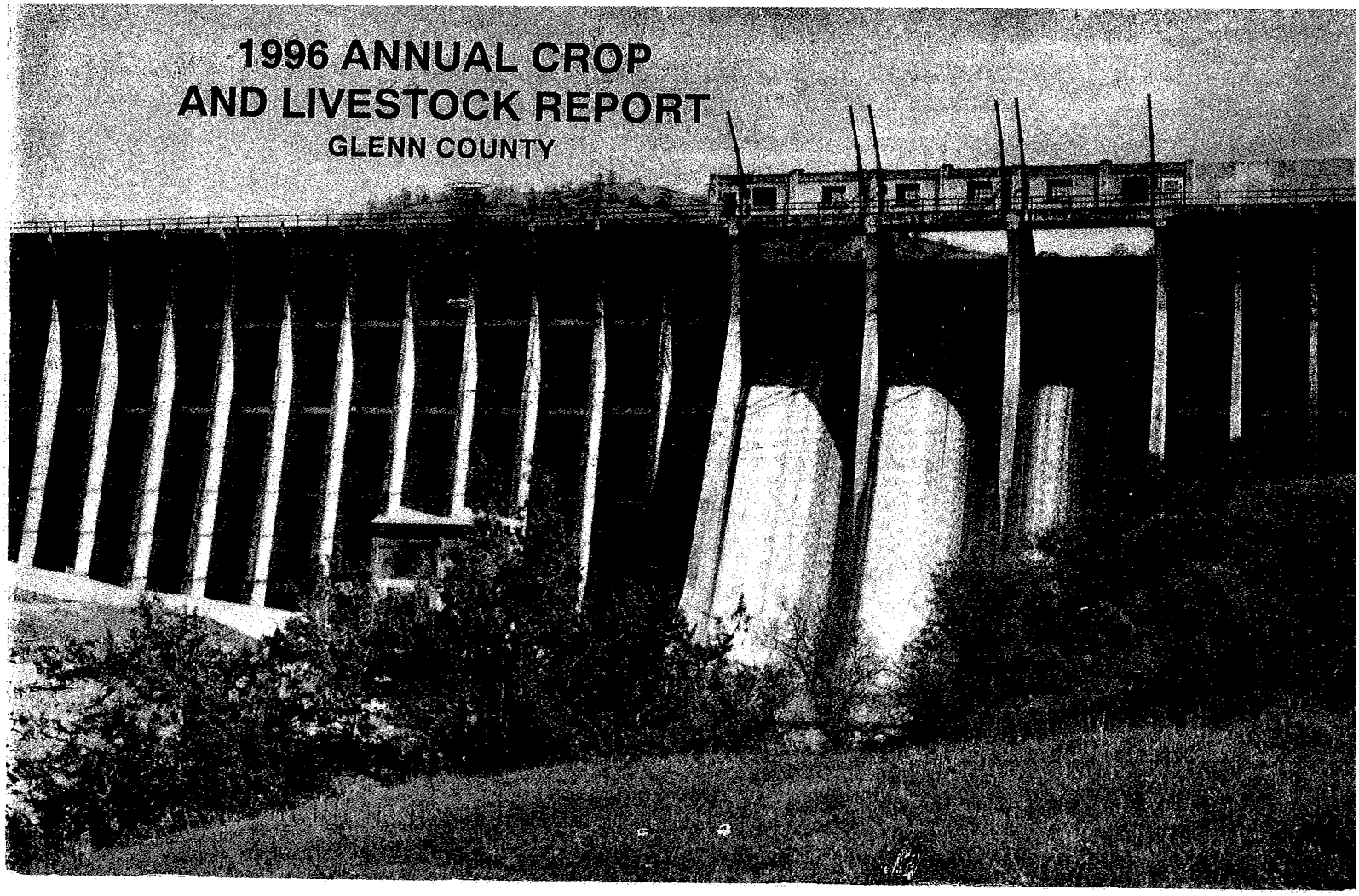
ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

116 YEARS — 1878 - 1995

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1917-1918	11.90	1956-1957	19.11
1879-1880	13.96	1918-1919	12.90	1957-1958	32.93
1880-1881	13.85	1919-1920	7.70	1958-1959	11.96
1881-1882	8.28	1920-1921	21.28	1959-1960	13.88
1882-1883	8.45	1921-1922	13.44	1960-1961	16.24
1883-1884	18.84	1922-1923	16.81	1961-1962	16.01
1884-1885	7.80	1923-1924	8.86	1962-1963	20.48
1885-1886	19.15	1924-1925	25.99	1963-1964	9.34
1886-1887	8.07	1925-1926	18.44	1964-1965	18.75
1887-1888	8.97	1926-1927	25.99	1965-1966	13.26
1888-1889	10.30	1927-1928	17.54	1966-1967	23.65
1889-1890	29.94	1928-1929	11.46	1967-1968	15.21
1890-1891	19.01	1929-1930	16.37	1968-1969	23.25
1891-1892	18.82	1930-1931	9.85	1969-1970	18.56
1892-1893	27.30	1931-1932	15.01	1970-1971	13.50
1893-1894	11.15	1932-1933	7.79	1971-1972	7.15
1894-1895	26.04	1933-1934	15.65	1972-1973	25.11
1895-1896	22.18	1934-1935	19.62	1973-1974	17.45
1896-1897	18.82	1935-1936	17.48	1974-1975	16.03
1897-1898	6.58	1936-1937	16.40	1975-1976	6.30
1898-1899	13.05	1937-1938	26.28	1976-1977	8.46
1899-1900	15.23	1938-1939	6.82	1977-1978	25.72
1900-1901	17.49	1939-1940	23.21	1978-1979	14.97
1901-1902	21.67	1940-1941	40.50	1979-1980	26.95
1902-1903	17.10	1941-1942	24.07	1980-1981	18.76
1903-1904	20.28	1942-1943	15.68	1981-1982	25.58
1904-1905	24.55	1943-1944	13.52	1982-1983	37.25
1905-1906	19.85	1944-1945	16.94	1983-1984	20.47
1906-1907	17.88	1945-1946	14.72	1984-1985	14.89
1907-1908	13.44	1946-1947	12.28	1985-1986	24.82
1908-1909	22.09	1947-1948	19.56	1986-1987	10.92
1909-1910	14.36	1948-1949	15.59	1987-1988	15.86
1910-1911	17.75	1949-1950	10.32	1988-1989	10.12
1911-1912	11.26	1950-1951	17.48	1989-1990	12.71
1912-1913	13.18	1951-1952	23.50	1990-1991	15.51
1913-1914	29.18	1952-1953	19.70	1991-1992	17.19
1914-1915	27.19	1953-1954	16.64	1992-1993	25.76
1915-1916	18.11	1954-1955	14.57	1993-1994	13.10
1916-1917	11.43	1955-1956	23.24	1994-1995	34.04

1996 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY



GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1996 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Charles Harris, Sr., Chairman

Gary Freeman — Dick Mudd

Keith Hansen — Denny Bungarz

PERSONNEL

Ed Romano	Agricultural Commissioner
W. R. Duckworth, Jr.	Assistant Commissioner
Ernest L. Simpsons	Senior Agricultural Biologist
John F. B. Tolley	Senior Agricultural Biologist
Rey Lopez	Agricultural Biologist III
Jean Miller	Agricultural Biologist III
Helmut Bloo	Agricultural Biologist III
Bob Birdseye	Agricultural Biologist III
Rick Steward	Senior Air Pollution Specialist
Kevin Tokunaga	Senior Air Pollution Specialist
Susie Gleason	Office Manager
Marueen Bailey	Senior Secretary
Candy Woods	Air Pollution Assistant
Colleen Gustafson	Senior Clerical Assistant
Trudy Silveira	Secretary

Photo Cover:
Stony Gorge Dam
Elk Creek, California

County of Glenn

DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 28, 1997

Ann M. Veneman, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

I am pleased to submit the 1996 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 $263,777,000. The value of 1996 agriculture production set an all time record high in Glenn County. Rice and dairy products continue to be the leading county 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 report.

Respectfully submitted,

Ed Romano
Agricultural Commissioner

WRD:dh

720 N. Colusa St. - P. O. Box 351 - Willows, California 95988 - Phone (916) 934-6501 or 865-1133 - FAX (916) 934-6503

Production and Value of Agricultural Products

FIELD CROPS – 1995-1996

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1996	1,750	2.50	4,375	Ton	$138.00	$604,000
	1995	1,985	1.10	2,184	"	126.60	276,000
Beans	1996	2,499	1.04	2,599	"	781.96	2,032,000
	1995	2,802	1.04	2,914	"	594.37	1,732,000
Corn	1996	17,216	5.80	99,853	"	118.50	11,833,000
	1995	10,412	5.02	52,268	"	119.00	6,220,000
Cotton, Lint	1996	1,114	2.25	2,507	500 lb.	395.00	990,000
	1995	756	1.08	816	Bale	383.50	313,000
Cotton, Seed	1996			1,040	Ton	180.00	187,000
	1995			338.64 *	"	190.00	64,000
Hay	1996	15,861	6.61	104,841	"	97.00	10,170,000
Alfalfa	1995	18,158	6.50	118,027	"	100.00	11,815,000
Hay	1996	5,509	2.25	12,395	"	75.00	930,000
Other	1995	4,694	2.50	11,735	"	75.00	880,000
Pasture	1996	16,575			Acre	120.00	1,989,000
Irrigated	1995	16,575			"	120.00	1,989,000
Range	1996	230,000			"	7.00	1,610,000
	1995	240,000			"	7.00	1,680,000
Rice,	1996	83,686	3.79	317,170	Ton	215.00**	68,192,000
Paddy	1995	84,631	4.00	338,524	"	214.20 †	72,512,000
Safflower	1996	800	1.00	800	"	365.00	292,000
	1995	1,000	.75	750	"	300.00	225,000
Silage	1996	2,850	19.00	54,150	"	19.00	1,029,000
	1995	2,900	20.00	58,000	"	22.00	1,276,000
Grain	1996	1,684	2.30	3,873	"	103.00	399,000
Sorghum	1995	388	2.00	776	"	95.00	74,000
Sugar	1996	2,373	26.62	63,169	"	34.93	2,206,000
Beets	1995	3,221	25.48	82,071	"	32.45	2,663,000
Wheat	1996	27,392	2.40	65,741	"	150.00	9,862,000
	1995	23,115	1.24	28,663	"	117.14	3,358,000
Miscellaneous	1996	211					591,000
	1995	348					580,000
TOTALS	**1996**	**409,520**					**$112,916,000**
	1995	**410,985**					**$105,657,000**

* Revised † Target Price ASCS Office ** Includes USDA Support Price

VEGETAGLE CROPS – 1995-1996

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1996	2,141	Included under Field Crops to avoid disclosing individual operations.				$3,654,000
	1995	1,696					3,090,000

Production and Value of Agricultural Products

APIARY PRODUCTS – 1995-1996

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1996	476,000	Lb.	$ .89	$424,000
	1995	490,000	"	.74	363,000
Beeswax	1996	11,000	"	2.09	23,000
	1995	14,000	"	1.21	17,000
Packaged Bees	1996	98,000	"	7.06	692,000
	1995	104,000	"	4.35	452,000
Queen Bees	1996	120,000	Each	7.27	872,000
	1995	121,000	"	5.30	641,000
Pollination	1996				942,000
	1995				925,000
TOTALS	**1996**				**$2,953,000**
	1995				**$2,398,000**

SEED CROPS – 1995-1996

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1996	*			Lb.	$	$
	1995	185	369	68,265	"	1.40	96,000
Beans	1996	3,990	1,492	5,953,080	"	.40	2,381,000
	1995	3.949	1,725	6,812,025	"	.38	2.589,000
Clover, all	1996	2,514	421	1,058,394	"	1.31	1,386,000
	1995	2,894	471	1,363,140	"	1.43	1,950,000
Rice	1996	2,755	7,500	20,662,500	"	.11	2,273,000
	1995	2,308	7,300	16,848,400	"	.106	1,786,000
Safflower	1996	4,432	1,421	6,297,872	"	.57	3,590,000
	1995	8,248	1,179	9,724,392	"	.55	5,348,000
Vine Crops	1996	2,056					2,420,000
	1995	1,396					905,000
Wheat	1996	1,012	5,180	5,242,160	"	.10	524,000
	1995	550	4,690	2,577,900	"	.06	155,000
Other Seed	1996	2,135					693,000
	1995	1,710					619,000
TOTALS	**1996**	**18,894**					**$13,267,000**
	1995	**21,240**					**$13,448,000**

* Included under other seed to protect individual operations.

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY – 1995-1996

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1996	25,839	189,244	Cwt.	$53.00	$10,030,000
	1995	26,638	195.097	"	56.50	11,023,000
Sheep and Lambs	1996	7,270	7,489	"	89.00	667,000
	1995	7,525	7,721	"	79.05	610,000
Hogs and Pigs	1996	1,745	3,032	"	52.00	158,000
	1995	1,662	2,888	"	42.51	123,000
Poultry	1996	Included under Livestock and Poultry Products				
	1995	to protect individual operations.				
TOTALS	**1996**					**$10,855,000**
	1995					**$11,756,000**

LIVESTOCK AND POULTRY PRODUCTS – 1995-1996

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1996	2,669,812	Cwt.	$ 13.59	$36,289,000
	1995	2,687,198	"	11.57	31,078,000
Market	1996	2.075,046	"	13.65	28,325,000
	1995	2,179,989	"	11.55	25,185,000
Manufacturing	1996	594,766	"	13.39	7,964,000
	1995	507,209	"	11.62	5,893,000
Wool	1996	73,705	Lb.	.80	59,000
	1995	75,985	"	.90	69,000
Miscellaneous	1996				270,000
	1995				245,000
TOTALS	**1996**				**$36,618,000**
	1995				**$31,392,000**

NURSERY PRODUCTS – 1995-1996

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery	**1996**	**172.5**	**$2,139,000**
Production	**1995**	**182.0**	**$2,151,000**

Production and Value of Agricultural Products

FRUIT AND NUT CROPS – 1995-1996

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1996	17,400	.49	8,526	Meat	$4,075.00	$34,743,000
	1995	17,301	.32	5,536	Ton	5,200.00	28,789,000
Almond Hulls	1996			10,658	Ton	80.00	853,000
	1995			7,750	"	83.75	649,000
Citrus	1996	761	10.93	8,318	"	242.00	2,013,000
	1995	805	9.05	7,285	"	260.00	1,894,000
Grapes	1996	1,242	6.29	7,812	"	507.81	3,967,000
	1995	1,093	8.60	9,392	"	229.69	2,157,000
Olives	1996	3,845	3.54	13,611	"	545.00	7,418,000
	1995	3,745	3.10	11,626	"	539.00	6,266,000
Prunes	1996	8,450	2.58	21,801	Dry	1,025.00	22,346,000
	1995	8,330	1.87	16,153	Tons	998.00	16,121,000
Pistachios	1996	748	.47	352	Inshell	2,900.00	1,021,000
	1995	747	1.28	956	Ton	2,500.00	2,390,000
Walnuts	1996	6,800	.83	5,644	"	1,570	8,861,000
	1995	6,710	1.06	7,121	"	1,220	8,688,000
Miscellaneous	1996	143					153,000
Fruits and Nuts	1995	123					177,000
TOTALS	**1996**	**39,389**					**81,375,000**
	1995	**38,854**					**67,129,000**

Production and Value of Forest Products

FOREST PRODUCTS – 1995-1996

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1996	10,582,000	Board	$ .38	$4,021,000
	1995	8,600,000	Feet	.45	3,890,000
Firewood	1996	731	Cord	70.00	51,000
	1995	687	"	70.00	48,000
Christmas Trees	1996	1,710	Each	15.00	26,000
	1995	1,825	"	15.00	27,000
TOTALS	**1996**				**$4,098,000**
	1995				**$3,965,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1995-1996

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	84		
United Parcel Service			
Truck	2,383	2	Decollate Snail Rumina decollata
Other	1,838	2	Baby's Breath Gypsophia paniculata

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	561
Phyto Certificates Issued	1,339

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	3	185 Acres
Citrus	4	78 Acres
Corn	1	25 Acres
Fruit Production	3	9 Acres
Rice	4	1,400.5 Acres
Vegetables/Herbs	5	56 Acres
Olives	1	36 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1995-1996

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	7 Release Sites
	Beetle Clitostethus arcuatus	3 Release Sites
Italian Thistle Carduus tenuifloris	Weevil Rhenocyllus conicus	3 Release Sites
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Micro lypriformis Microlarinus lareyniei	19 Release Sites
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientalis	25 Release Sites
	Eusteaapus villosus	13 Release Sites
	Fly Urophra sirunaseva	5 Release Sites
	Chastorellia australis	2 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle Cirsium aruense	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	1
Hoarycress Cardaria draba	Chemical	10
Peppergrass Lepidium latifolium	Chemical	5
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	3
Russian Knapweed Centaurea repens	Chemical	0
White Horsenettle Solanum elaeagnifolium	Chemical	22
Diffuse Knapweed Centaurea diffuse	Chemical	2
Artichoke Thistle Cynara cardunculus	Mechanical	1

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1995	1996
Field Crops	$105,657,000	$112,916,000
Livestock and Poultry	11,756,000	10,855,000
Fruit and Nut Crops	67,129,000	81,375,000
Livestock and Poultry Products	31,392,000	36,618,000
Seed Crops	13,448,000	13,267,000
Apiary Products	2,398,000	2,953,000
Nursery Products	2,151,000	2,139,000
Vegetable Crops	3,090,000	3,654,000
Total Agricultural Production	**$237,021,000**	**$263,777,000**
Value of Forest Products		
Timber	$3,890,000	4,021,000
Firewood	48,000	51,000
Christmas Trees	27,000	26,000
Total Forest Products	**$3,965,000**	**4,098,000**
Grand Total All Production	**$240,986,000**	**$267,875,000**

GLENN COUNTY'S LEADING AGRICULTURAL COMMODITIES

Commodity	1996 Value
1. Rice, paddy	$68,192,000
2. Dairy Products	36,289,000
3. Almonds	34,743,000
4. Prunes	22,346,000
5. Corn	11,833,000
6. Hay, Alfalfa	10,170,000
7. Cattle and Calves	10,030,000
8. Wheat	9,862,000
9. Walnuts	8,861,000
10. Olives	7,418,000

ANNUAL RAINFALL AT WILLOWS, CALFORNIA

117 YEARS – 1878 - 1996

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1918-1919	12.90	1958-1959	11.96
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		
1917-1918	11.90	1957-1958	32.93		

1997 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY

GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1997 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Keith Hanson, Chairman

Gary Freeman
Denny Bungarz
Dick Mudd
Charles Harris, Sr.

PERSONNEL

Agriculture Staff:

Ed Romano ..... Agricultural Commissioner
W. R. Duckworth, Jr. ..... Assistant Commissioner
Ernest L. Simpson ..... Deputy Commissioner
John F. B. Tolley ..... Senior Agricultural Biologist
Rey Lopez ..... Senior Agricultural Biologist
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Cover Photo:
Glenn County Deputy Scaler Ernest Simpson checking livestock scales.
Photo by Jean Miller.

County of Glenn DEPARTMENT OF AGRICULTURE
ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 1, 1998

Ann M. Veneman, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

I am pleased to submit the 1997 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agriculture Code.

Agriculture continued to be the leading industry in the county with a gross value of $275,284,000. The value of 1997 agriculture production set an all time record high in Glenn County. Rice and dairy products continue to be the leading county crop.

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 complied the report.

Respectfully submitted,

Ed Romano
Agricultural Commissioner

ER:b

720 N. Colusa St. P.O. Box 351 Willows, California 95988 - Phone (530) 934-6501 or 865-1133 FAX (530) 934-6503

Production and Value of Agricultural Products

FIELD CROPS – 1996-1997

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1997	1,795	1.32	2,369	Ton	122.00	$289,000
	1996	1,750	2.50	4,375	"	138.00	604,000
Beans	1997	2,312	1.12	2,583	"	537.00	1,387,000
	1996	2,499	1.04	2,599	"	781.96	2,032,000
Corn	1997	16,582	4.80	79,594	"	114.00	9,074,000
	1996	17,216	5.80	99,853	"	118.50	11,833,000
Cotton, Lint	1997	818	2.06	1,684	500 lb.	375.00	632,000
	1996	1,114	2.25	2,507	Bale	395.00	990,000
Cotton, Seed	1997			699	Ton	180.00	126,000
	1996			1,040	"	180.00	187,000
Hay	1997	16,414	7.10	116,539	"	125.00	14,567,000
Alfalfa	1996	15,861	6.61	104,841	"	97.00	10,170,000
Hay	1997	6,960	3.00	20,880	"	85.00	1,775,000
Other	1996	5,509	2.25	12,395	"	75.00	930,000
Pasture	1997	16,575			Acre	120.00	1,989,000
Irrigated	1996	16,575			"	120.00	1,989,000
Range	1997	230,000			"	7.00	1,610,000
	1996	230,000			"	7.00	1,610,000
Rice,	1997	85,768	4.25	364,514	Ton	208.00**	75,819,000
Paddy	1996	83,686	3.79	317,170	"	215.00**	68,192,000
Safflower	1997	1,000	.75	750	"	320.00	240,000
	1996	800	1.00	800	"	365.00	292,000
Silage	1997	2,464	26.00	64,064	"	21.00	1,345,000
	1996	2,850	19.00	54,150	"	19.00	1,029,000
Sunflower, Oil	1997	3,962	.61	2,417	"	1,000.00	2,417,000
Grain	1997	650	2.00	1,300	"	105.00	137,000
Sorghum	1996	1,684	2.30	3,873	"	103.00	399,000
Sugar	1997	3,997	26.38	105,436	"	35.02	3,692,000
Beets	1996	2,373	26.62	63,169	"	34.93	2,206,000
Wheat	1997	24,712	2.25	55,602	"	126.00	7,006,000
	1996	27,392	2.40	65,741	"	150.00	9,862,000
Miscellaneous	1997	259					607,000
	1996	211					591,000
TOTALS	**1997**	**414,268**					**$122,712,000**
	1996	**409,520**		**Includes USDA Support Price			**$112,916,000**

VEGETABLE CROPS – 1996-1997

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Tomatoes,	1997	957	36.85	35,272	Ton	51.57	$1,819,000
Processing	1996*		*Included under Miscellaneous to avoid disclosing individual operations				
Miscellaneous	1997	51					152,000
	1996	2,141					3,654,000

Production and Value of Agricultural Products

APIARY PRODUCTS – 1996-1997

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1997	296,000	Lb.	$ .86	$255,000
	1996	476,000	"	.89	424,000
Beeswax	1997	10,000	"	2.00	20,000
	1996	11,000	"	2.09	23,000
Packaged Bees	1997	104,000	"	5.50	572,000
	1996	98,000	"	7.06	692,000
Queen Bees	1997	101,000	Each	6.51	658,000
	1996	120,000	"	7.27	872,000
Pollination	1997				920,000
	1996				942,000
TOTALS	**1997**				**$2,425,000**
	1996				**$2,953,000**

SEED CROPS – 1996-1997

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	1997	4,171	1,608	6,706,319	Lb.	$ .34	$2,280,000
	1996	3,990	1,492	5,953,080	"	.40	2,381,000
Clover, all	1997	2,123	475	1,009,121	"	1.42	1,436,000
	1996	2,514	421	1,058,394	"	1.31	1,386,000
Rice	1997	2,992	8,500	25,432,000	"	.14	3,560,000
	1996	2,755	7,500	20,662,500	"	.11	2,273,000
Sunflower	1997	5,704	1,216	6,938,723	"	.62	4,280,000
	1996	4,432	1,421	6,298,900	"	.57	3,590,000
Vine Crops	1997	1,888					2,580,000
	1996	2,056					2,420,000
Wheat	1997	979	4,700	4,601,300	"	.07	322,000
	1996	1,012	5,180	5,242,160	"	.10	524,000
Other Seed	1997	1,144					1,196,,000
	1996	2,135					693,000
TOTALS	**1997**	**19,001**					**$15,654,000**
	1996	**18,894**					**$13,267,000**

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY – 1996-1997

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1997	26,379	193,094	Cwt.	$61.00	$11,779,000
	1996	25,839	189,244	"	53.00	10,030,000
Sheep and Lambs	1997	7,300	7,519	"	91.60	689,000
	1996	7,270	7,489	"	89.00	667,000
Hogs and Pigs	1997	1,798	3,100	"	54.70	170,000
	1996	1,745	3,032	"	52.00	158,000
Poultry	1997	Included under Livestock and Poultry Products				
	1996	to protect individual operations.				
TOTALS	**1997**					**$12,638,000**
	1996					**$10,855,000**

LIVESTOCK AND POULTRY PRODUCTS – 1996-1997

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1997	3,124,585	Cwt.	$ 12.34	$38,568,000
	1996	2,669,812	"	13.59	36,289,000
Market	1997	2,594,143	"	12.42	32,207,000
	1996	2,075,046	"	13.65	28,325,000
Manufacturing	1997	530,442	"	11.99	6,361,000
	1996	594,766	"	13.39	7,964,000
Wool	1997	73,960	Lb.	.68	50,000
	1996	73,705	"	.80	59,000
Miscellaneous	1997				220,000
	1996				270,000
TOTALS	**1997**				**$38,838,000**
	1996				**$36,618,000**

NURSERY PRODUCTS – 1996-1997

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery	**1997**	**200.5**	**$2,438,000**
Production	**1996**	**172.5**	**$2,139,000**

Production and Value of Agricultural Products

FRUIT AND NUT CROPS – 1996-1997

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1997	17,808	.61	10,931	Meat	$2,985.00	$32,630,000
	1996	17,400	.49	8,526	Ton	4,075.60	34,743,000
Almond Hulls	1997			13,664	Ton	80.00	1,093,000
	1996			10,658	"	80.00	853,000
Citrus	1997	721	10.71	7,720	"	259.00	2,000,000
	1996	761	10.93	8,318	"	242.00	2,013,000
Grapes	1997	1,418	9.8	13,890	"	383.59	5,328,000
	1996	1,242	6.29	7,812	"	507.81	3,967,000
Olives	1997	3,845	4.56	17,550	"	614.54	10,785,000
	1996	3,845	3.54	13,611	"	545.00	7,418,000
Prunes	1997	8,221	2.33	19,179	Dry	695.00	13,329,000
	1996	8,450	2.58	21,801	Tons	1,025.00	22,346,000
Pistachios	1997	745	1.08	810	Inshell	2,435.00	1,975,000
	1996	748	.47	352	Ton	2,900.00	1,021,000
Walnuts	1997	5,836	1.40	8,176	"	1,375.00	11,250,000
	1996	6,800	.83	5,644	"	1,570.00	8,861,000
Miscellaneous	1997	132					218,000
Fruits and Nuts	1996	143					153,000
TOTALS	**1997**	**38,726**					**$78,608,000**
	1996	**39,389**					**$81,375,000**

Production and Value of Forest Products

FOREST PRODUCTS – 1996-1997

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1997	8,085,000	Board	$ .36	$2,911,000
	1996	10,582,000	Feet	.38	4,021,000
Firewood	1997	776	Cord	75.00	58,000
	1996	731	"	70.00	51,000
Christmas Trees	1997	1,528	Each	15.00	23,000
	1996	1,710	"	15.00	26,000
TOTALS	**1997**				**$2,992,000**
	1996				**$4,098,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1996-1997

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	478	0	
United Parcel Service		0	
Truck	2,566	0	
Other	773	0	

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	560
Phyto Certificates Issued	1,191

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	4	193 Acres
Citrus	5	211 Acres
Safflower	1	9 Acres
Fruit Production	5	29 Acres
Rice	4	1,515 Acres
Vegetables/Herbs	3	19 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1996-1997

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	Established
	Beetle Clitostethus arcuatus	Established
Italian Thistle Carduus tenuifloris	Weevil Rhenocyllus conicus	Established
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Micro lypriformis Microlarinus lareyniei	Established
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientals	Established
	Eustenopus villosus	Established
	Fly	
	Urophra sirunaseva	Established
	Chastorellia australis	Established

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle Cirsium arvense	Chemical - Mechanical	1
Dyerswoad Isatis tinctoria	Chemical - Mechanical	2
Hoarycress Cardaria draba	Chemical	12
Peppergrass Lepidium latifolium	Chemical	16
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	3
Russian Knapweed Centaurea repens	Chemical	0
White Horsenettle Solanum elaeagnifolium	Chemical	28
Diffuse Knapweed Centaurea diffuse	Chemical	0
Artichoke Thistle Cynara cardunculus	Mechanical	2

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1996	1997
Field Crops	$112,916,000	$122,712,000
Livestock and Poultry	10,855,000	12,638,000
Fruit and Nut Crops	81,375,000	78,608,000
Livestock and Poultry Products	36,618,000	38,838,000
Seed Crops	13,267,000	15,654,000
Apiary Products	2,953,000	2,425,000
Nursery Products	2,139,000	2,438,000
Vegetable Crops	3,654,000	1,971,000
Total Agricultural Production	**$263,777,000**	**$275,284,000**
Value of Forest Products		
Timber	$4,021,000	2,911,000
Firewood	51,000	58,000
Christmas Trees	26,000	23,000
Total Forest Products	**$4,098,000**	**2,992,000**
Grand Total All Production	**$267,875,000**	**$278,276,000**

GLENN COUNTY'S LEADING AGRICULTURAL COMMODITIES

Commodity	1997 Value
1. Rice, paddy	$75,819,000
2. Dairy Products	38,568,000
3. Almonds	32,630,000
4. Hay, Alfalfa	14,567,000
5. Prunes	13,329,000
6. Cattle and Calves	11,779,000
7. Walnuts	11,250,000
8. Olives	10,785,000
9. Corn	9,074,000
10. Wheat	7,006,000

119 YEARS – 1878 - 1997

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1918-1919	12.90	1958-1959	11.96
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		

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Cover Photo: Rice Field in Glenn County
Photo by Jean Miller.

May 4, 1999

William (Bill) J. Lyons, Jr., Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

I am pleased to submit the 1998 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Agriculture Code.

Agriculture Production took a beating due to the record 41.62 inches of rainfall. The value of 1998 agricultural production was down a devastating $52,000,000 with field crop production and fruit and nut crops showing the largest decrease in production. Only livestock products, timber products, nursery products and apiary products showed a rise in production. We will all look back on 1998 and say thank goodness it is history.

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 complied the report.

Respectfully submitted,

Ed Romano
Agricultural Commissioner

Production and Value of Agricultural Products

FIELD CROPS – 1997-1998

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1998	1,696	1.20	2,035	Ton	85.00	$173,000
	1997	1,795	1.32	2,369	"	122.00	289,000
Beans	1998	1,632	.88	1,428	"	931.22	1,330,000
	1997	2,312	1.12	2,583	"	537.00	1,387,000
Corn	1998	19,522	4.50	87,849	"	82.00	7,204,000
	1997	16,582	4.80	79,594	"	114.00	9,074,000
Cotton, Lint	1998	789	1.75	1,382	500 lb.	369.17	510,000
	1997	818	2.06	1,684	Bale	375.00	632,000
Cotton, Seed	1998			587	Ton	190.00	112,000
	1997			699	"	180.00	126,000
Hay	1998	16,959	4.20	71,228	"	90.00	6,411,000
Alfalfa	1997	16,414	7.10	116,539	"	125.00	14,567,000
Hay	1998	4,473	1.90	8,499	"	70.00	595,000
Other	1997	6,960	3.00	20,880	"	85.00	1,775,000
Pasture	1998	15,500			Acre	120.00	1,860,000
Irrigated	1997	16,575			"	120.00	1,989,000
Range	19978	230,000			"	7.00	1,610,000
	1997	230,000			"	7.00	1,610,000
Rice,	1998	81,820	3.50	286,370	Ton	244.00**	69,874,000
Paddy	1997	85,768	4.25	364,514	"	208.00**	75,819,000
Safflower	1998	1,500	.60	900	"	300.00	270,000
	1997	1,000	.75	750	"	320.00	240,000
Silage	1998	2,850	20.00	57,000	"	22.00	1,254,000
	1997	2,464	26.00	64,064	"	21.00	1,345,000
Grain	1998	419	2.80	1,173	"	86.00	101,000
Sorghum	1997	650	2.00	1,300	"	105.00	173,000
Sugar	1998	950	21.24	20,181	"	35.08	708,000
Beets	1997	3,997	26.38	105,436	"	35.02	3,692,000
Sunflower	1998				"		
Oil	1997	3,962	.61	2,417	"	1,000,000	2,417,000
Wheat	1998	20,486	1.50	30,729	"	90.00	2,766,000
	1997	24,712	2.25	55,602	"	126.00	7,006,000
Miscellaneous	1998	200					453,000
	1997	259					607,000
TOTALS	**1998**	**398,796**	**Includes USDA Support Price				**$95,231,000**
	1997	**414,268**					**$122,712,000**

VEGETABLE CROPS – 1997-1998

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Tomatoes,	1998 *	*Included under Miscellaneous to avoid disclosing individual operations					
Processing	1997	957	36.85	35,272	Ton	51.57	$1,819,000
		437					
	1997	51					152,000
Totals	1998						920,000

Production and Value of Agricultural Products

APIARY PRODUCTS – 1997-1998

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1998	650,000	Lb.	$ .61	$396,000
	1997	296,000	"	.86	255,000
Beeswax	1998	9,000	"	1.78	16,000
	1997	10,000	"	2.00	20,000
Packaged Bees	1998	101,000	"	6.04	610,000
	1997	104,000	"	5.50	572,000
Queen Bees	1998	85,000	Each	7.22	614,000
	1997	101,000	"	6.51	658,000
Pollination	1998				987,000
	1997				920,000
TOTALS	**1998**				**$2,425,000**
	1997				**$2,953,000**

SEED CROPS – 1997-1998

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	1998	3,028	1,694	4,548,915	Lb.	$ .32	$1,445,000
	1997	4,171	1,608	6,706,319	"	.34	2,280,000
Clover, all	1998	1,284	495	636,017	"	1.44	914,000
	1997	2,123	475	1,009,121	"	1.42	1,436,000
Rice	1998	2,408	7,000	16,856,000	"	.15	2,528,000
	1997	2,992	8,500	25,432,000	"	.14	3,560,000
Sunflower	1998	8,269	886	7,328,295	"	.55	4,039,000
	1997	5,704	1,216	6,938,723	"	.62	4,280,000
Vine Crops	1998	2,383					2,849,000
	1997	1,888					2,580,000
Wheat	1998		Included under miscellaneous				
	1997	979	4,700	4,601,300	"	.07	322,000
Other Seed	1998	1,882					1,633,000
	1997	1,144					1,196,000
TOTALS	**1998**	**19,254**					**$13,408,000**
	1997	**19,001**					**$15,654,000**

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY – 1997-1998

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1998	25,324	185,372	Cwt.	$61.00	$11,308,000
	1997	26,379	193,094	"	63.00 *	12,165,000 *
Sheep and Lambs	1998	7,081	7,293	"	74.80	546,000
	1997	7,300	7,519	"	91.60	689,000
Hogs and Pigs	1998	1,710	2,941	"	34.00	100,000
	1997	1,798	3,100	"	54.70	170,000
Poultry	1998	Included under Livestock and Poultry Products				
	1997	to protect individual operations.				
TOTALS	**1998**					**$11,954,000**
	1997					**$13,024,000**

* Revised

LIVESTOCK AND POULTRY PRODUCTS – 1997-1998

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1998	3,110,909	Cwt.	$ 14.78	$45,977,000
	1997	3,124,585	"	12.34	38,568,000
Market	1998	2,520,537	"	14.80	37,300,000
	1997	2,594,143	"	12.42	32,207,000
Manufacturing	1998	590,371	"	14.70	8,676,000
	1997	530,442	"	11.99	6,361,000
Wool	1998	71,731	Lb.	.40	29,000
	1997	73,960	"	.68	50,000
Miscellaneous	1998				226,000
	1997				220,000
TOTALS	**1998**				**$46,232,000**
	1997				**$38,838,000**

NURSERY PRODUCTS – 1997-1998

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery Production	**1998**	**220**	**$2,583,000**
	1997	**200.5**	**$2,438,000**
Nursery Product Total	**1998**	**220**	**$2,583,000**
	1997	**200.5**	**$2,438,000**

Production and Value of Agricultural Products

FRUIT AND NUT CROPS – 1997-1998

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1998	21,339	.39	8,322	Meat	$2,925.00	$24,342,000
	1997	17,808	.61	10,931	Ton	2,985.00	32630,000
Almond Hulls	1998			10,151	Ton	80.00	812,000
	1997				"	80.00	1,093,000
Citrus	1998	712	1.62	1,154	"	510.00	588,000
	1997	721	10.71	7,720	"	259.00	2,003,000
Grapes	1998	1,349	6.20	8,347	"	286.81	2,394,000
	1997	1,418	9.80	13,890	"	383.59	5,328,000
Olives	1998	4,165	2.24	9,330	"	449.00	4,189,000
	1997	3,845	4.56	17,550	"	614.54	10,785,000
Pistachios	1998	746	.40	295	Inshell	1,885.00	556,000
	1997	745	1.08	810	Ton	2,435.00	1,975,000
Prunes	1998	7,516	1.18	8,850	Dry	752.00	6,655,000
	1997	8,221	2.33	19,179	Ton	695.00	13,329,000
Walnuts	1998	6,231	.96	5,989	Inshell	1,050.00	6,288,000
	1997	5,836	1.40	8,176	Ton	1,375.00	11,250,000
Miscellaneous	1998	132					165,000
Fruits and Nuts	1997	143					218,000
TOTALS	**1998**	**41,353**					**$45,989,000**
	1997	**38,726**					**$78,608,000**

Production and Value of Forest Products

FOREST PRODUCTS – 1997-1998

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1998	18,944,000	Board	$ .37	$7,009,000
	1997	8,085,000	Feet	.36	2,911,000
Firewood	1998	750	Cord	85.00	64,000
	1997	776	"	75.00	58,000
Christmas Trees	1998	1,610	Each	20.00	32,000
	1997	1,528	"	15.00	23,000
TOTALS	**1998**				**$7,105,000**
	1997				**$2,992,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1997-1998

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	410	0	
United Parcel Service	0	0	
Truck	2,654	0	
Other	1,704	0	

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	371
Phyto Certificates Issued	1,074

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	3	112 Acres
Citrus	5	127 Acres
Pasture	1	10 Acres
Fruit Production	4	29 Acres
Rice	9	2,117 Acres
Vegetables/Herbs	2	10 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1997-1998

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly *Siphonius phillyreae*	Wasp *Encarsia Sp.*	Established
	Beetle *Clitostethus arcuatus*	Established
Italian Thistle *Carduus tenuifloris*	Weevil *Rhenocyllus conicus*	Established
Puncture Vine *Tribulus tenestris*	Stem and Seed Weevils *Micro lypriformis* *Microlarinus lareyniei*	Established
Yellow Star Thistle *Centaurea solstitialis*	Weevil *Bangasternus orientals*	Established
	Eustenopus villosus	Established
	Larinus curtus	1 Release Site
	Fly *Urophra sirunaseva*	Established
	Chastorellia australis	Established

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle *Cirsium arvense*	Chemical - Mechanical	1
Dyerswoad *Isatis tinctoria*	Chemical - Mechanical	1
Hoarycress *Cardaria draba*	Chemical	12
Peppergrass *Lepidium latifolium*	Chemical	17
Plumeless Thistle *Carduus acanthoides*	Chemical - Mechanical	3
Russian Knapweed *Centaurea repens*	Chemical	2
White Horsenettle *Solanum elaeagnifolium*	Chemical	28
Diffuse Knapweed *Centaurea diffuse*	Chemical	0
Artichoke Thistle *Cynara cardunculus*	Mechanical	2

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1997	1998
Field Crops	$122,712,000	$95,231,000
Livestock and Poultry	13,024,000 *	111,954,000
Fruit and Nut Crops	78,608,000	45,989,000
Livestock and Poultry Products	38,838,000	46,232,000
Seed Crops	15,654,000	13,408,000
Apiary Products	2,425,000	2,623,000
Nursery Products	2,438,000	2,538,000
Vegetable Crops	1,971,000	920,000
Total Agricultural Production	**$275,670,000** *	**$218,940,000**
Value of Forest Products		
Timber	$2,911,000	$7,009,000
Firewood	58,000	64,000
Christmas Trees	23,000	32,000
Total Forest Products	**$2,992,000**	**7,105,000**
Grand Total All Production	**$278,662,000** *	**$226,045,000**

GLENN COUNTY'S LEADING AGRICULTURAL COMMODITIES

Commodity	1998 Value
1. Rice, paddy	$69,874,000
2. Dairy Products	45,977,000
3. Almonds	24,342,000
4. Cattle and Calves	11,308,000
5. Corn	7,204,000
6. Prunes	6,655,000
7. Hay, Alfalfa	6,411,000
8. Walnuts	6,288,000
9. Olives	4,189,000
10. Sunflower Seed	4,039,000

* Revised

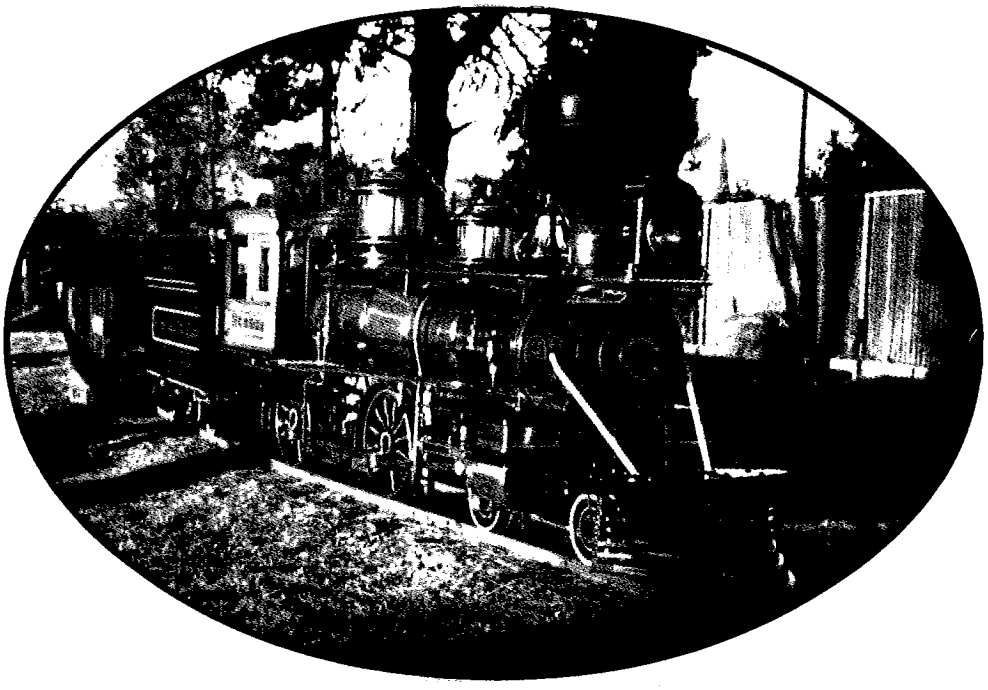
ANNUAL RAINFALL AT WILLOWS, CALFORNIA

120 YEARS – 1878 - 1998

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1918-1919	12.90	1958-1959	11.96
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

1999 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY



THE ORLAND NEWVILLE AND PACIFIC RAILROAD

Miniature Railroad has Home in Glenn County

A finely built scale replica of an 1880's narrow gauge freight train has been delighting young and young at heart for eight years at the Glenn County Fairgrounds in Orland. The 15" gauge, 5" scale engine, built by Frank Allen of Orland, is a working steam locomotive in miniature, an exact scale replica of an engine on display at the California State Railroad Museum. The track was laid with the manual labor of local volunteers. Passengers roll past historic buildings and displays, pass over a bridge and through a tunnel and then wind through a picnic area and citrus grove. Scale railways such as this one are a rare attraction and Glenn County is privileged to host this one.

Photo courtesy of Orland Newville and Pacific Railroad

GLENN COUNTY
DEPARTMENT OF AGRICULTURE

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

1999 ANNUAL CROP AND LIVESTOCK REPORT

GLENN COUNTY BOARD OF SUPERVISORS

Denny Bungarz, Chairman

Keith Hansen — Gary Freeman
Charles Harris, Sr. — Dick Mudd

PERSONNEL

Agriculture Staff:

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

Air Pollution Staff:

Kevin Tokunaga ..... Program Manager
Rick Steward ..... Program Manager
Candy Woods ..... Administrative Analyst
Trudy Silveira ..... Technician
Colleen Gustafson ..... Senior Clerical Assistant
Patrick Way ..... Air Pollution Specialist

May 1, 2000

William (Bill) J. Lyons, Jr., Secretary
California Dept. of Food and Agriculture

and

The Honorable Board of Supervisors
County of Glenn

I am pleased to submit the 1999 Annual Crop and Livestock Report for Glenn County as required by Section 2279 of the California Food & Agriculture Code. This report summarizes the acreage, production and value of Glenn County's agricultural and forest commodities.

With 1999's mild winter, long spring and moderate summer, Glenn County made a comeback from the devastating previous year. Production was up but, alas, prices were down.

The county's leading crop, rice, had an increased value of $20,367,000 (+29%) while prunes increased their value by $8,056,000 (+121%). Both dairy products and almonds, Glenn County's second and third leading commodities, had decreased values for 1999 ($4,233,000 (-10%) and $5,784,000 (-31%) respectively.

Vegetable crops were up due to increased acreage but honey was down considerably due to no extra surpluses available.

The 1999 gross production was valued at $262,606,000. This is a $36 million increase in gross value when compared with the 1998 figures. With the cooperation of the weather and the continued hard work of the farmers of Glenn County, we can look forward to success in the new millennium.

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 complied the report.

Respectfully submitted,

Ed Romano
Agricultural Commissioner

Production and Value of Agricultural Products

FIELD CROPS – 1998-1999

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1999	Included under miscellaneous					
	1998	1,696	1.20	2,036	Ton	85.00	173,000
Beans	1999	1,380	.87	1,200	"	562.00	674,000
	1998	1,632	.88	1,428	"	931.22	1,330,000
Corn	1999	15,685	5.50	86,268	"	85.00	7,333,000
	1998	19,522	4.50	87,849	"	82.00	7,204,000
Cotton, Lint	1999	598	2.36	1,411	500 lb.	368.00	520,000
	1998	789	1.75	1,382	Bale	369.17	510,000
Cotton, Seed	1999			600	Ton	150.00	90,000
	1998			587	"	190.00	112,000
Hay	1999	14,236	7.00	99,652	"	80.00	7,972,000
Alfalfa	1998	16,959	4.20	71,228	"	90.00	6,411,000
Hay	1999	3,030	2.50	7,575	"	60.00	454,000
Other	1998	4,473	1.90	8,499	"	70.00	595,000
Pasture	1999	16,270			Acre	120.00	1,952,000
Irrigated	1998	15,500			"	120.00	1,866,000
Range	1999	230,000			"	7.00	1,610,000
	1998	230,000			"	7.00	1,610,000
Rice, **	1999	82,980	3.75	311,175	Ton	290.00	90,241,000
Paddy	1998	81,820	3.50	286,370	"	244.00	69,874,000
Safflower	1999	1,650	.75	1,125	"	300.00	371,000
	1998	1,500	.60	900	"	300.00	270,000
Silage	1999	2,600	28.00	72,800	"	20.00	1,456,000
	1998	2,850	20.00	57,000	"	22.00	1,254,000
Grain	1999	316	2.80	885	"	83.00	73,000
Sorghum	1998	419	2.80	1,173	"	86.00	101,000
Sugar	1999	3,110	33.50	104,190	"	40.00	4,168,000
Beets	1998	950	21.24	20,181	"	35.08	708,000
Wheat	1999	15,104	2.75	41,536	"	89.00	3,697,000
	1998	20,486	1.50	30,729	"	90.00	2,766,000
Miscellaneous	1999	1,000					469,000
	1998	200					453,000
TOTALS	**1999**	**387,959**					**$121,080,000**
	1998	**398,796**					**$95,237,000**

**Includes USDA Support Price

VEGETABLE CROPS – 1998-1999

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Miscellaneous	1999	1,603					4,277,000
	1998	437					920,000
Totals	1999	1,603					4,277,000
	1998	437					920,000

Production and Value of Agricultural Products

APIARY PRODUCTS – 1998-1999

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1999	18,000	Lb.	$ .50	$9,000
	1998	650,000	"	.61	396,000
Beeswax	1999	4,000	"	2.00	8,000
	1998	9,000	"	1.78	16,000
Packaged Bees	1999	94,000	"	5.33	501,000
	1998	101,000	"	6.04	610,000
Queen Bees	1999	88,000	Each	7.32	644,000
	1998	85,000	"	7.22	614,000
Pollination	1999				1,281,000
	1998				987,000
TOTALS	**1999**				**$2,433,000**
	1998				**$2,623,000***

SEED CROPS – 1998-1999

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Beans	1999	4,375	1,545	6,759,005	Lb.	$ .34	$2,290,000
	1998	3,028	1,694	4,548,915	"	.32	1,445,000
Clover, all	1999	2,517	491	1,235,260	"	1.38	1,702,000
	1998	1,248	495	636,017	"	1.44	914,000
Rice	1999	2,257	7,673	17,317,961	"	.106	1,836,000
	1998	2,408	7,000	16,856,000	"	.15	2,528,000
Sunflower	1999	10,053	1,045	10,501,625	"	.46	4861,000
	1998	8,269	886	7,328,295	"	.55	4,039,000
Vine Crops	1999	3,095					3,650,000
	1998	2,383					2,849,000
Other Seed	1999	1,962					1,132,000
	1998	1,882					1,633,000
TOTALS	**1999**	**24,259**					**$13,939,000**
	1998	**19,254**					**$13,408,000**

* Revised

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY – 1998-1999

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1999	25,500	186,660	Cwt.	$64.30	12,002,000
	1998	25,324	185,372	"	61.00	11,308,000
Sheep and Lambs	1999	7,310	7,529	"	74.80	563,000
	1998	7,081	7,293	"	74.80	546,000
Hogs and Pigs	1999	1,760	3,027	"	35.10	106,000
	1998	1,710	2,941	"	34.00	100,000
Poultry	1999	Included under Livestock and Poultry Products				
	1998	to protect individual operations.				
TOTALS	**1999**					**$12,671,000**
	1998					**$11,954,000**

LIVESTOCK AND POULTRY PRODUCTS – 1998-1999

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1999	3,148,077	Cwt.	$ 13.26	$41,744,000
	1998	3,110,909	"	14.78	45,977,000
Market	1999	2,642,751	"	13.29	35,122,000
	1998	2,520,537	"	14.80	37,300,000
Manufacturing	1999	505,326	"	13.11	6,625,000
	1998	590,371	"	14.70	8,676,000
Wool	1999	74,050	Lb.	.31	23,000
	1998	71,731	"	.40	29,000
Miscellaneous	1999				230,000
	1998				226,000
TOTALS	**1999**				**$41,997,000**
	1998				**$46,232,000**

NURSERY PRODUCTS – 1998-1999

COMMODITY	YEAR	ACREAGE	TOTAL VALUE
Nursery Production	**1999**	**248**	**$3,469,000**
	1998	**220**	**$2,583,000**
Total	**1999**	**248**	**$3,469,000**
	1998	**220**	**$2,583,000**

Production and Value of Agricultural Products

FRUIT AND NUT CROPS – 1998-1999

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1999	22,562	.95	11,073	Meat	$1,676.00	$18,558,000
	1998	21,339	.39	8,322	Ton	2,925.00	24,342,000
Almond Hulls	1999			16,610	Ton	80.00	1,329,000
	1998			10,151	"	80.00	812,000
Citrus	1999	714	6.30	4,496	"	287.00	1,289,000
	1998	712	1.62	1,154	"	510.00	588,000
Grapes	1999	835	6.80	5,683	"	400.00	2,273,000
	1998	1,349	6.20	8,347	"	286.81	2,394,000
Olives	1999	4,490	2.30	10,357	"	442.00	4,578,000
	1998	4,165	2.24	9,330	"	449.00	4,189,000
Pistachios	1999	868	1.02	890	Inshell	2,800.00	2,581,000
	1998	746	.40	295	Ton	1,855.00	556,000
Prunes	1999	8,392	1.87	15,667	Dry	939.00	14,711,000
	1998	7,516	1.18	8,850	Ton	752.00	6,655,000
Walnuts	1999	7,169	1.18	8,477	Inshell	775.00	6,570,000
	1998	6,231	.96	5,989	Ton	1,050.00	6,288,000
Miscellaneous	1999	116					75,000
Fruits and Nuts	1998	132					165,000
TOTALS	**1999**	**45,146**					**$51,964,000**
	1998	**41,353**					**$45,989,000**

Production and Value of Forest Products

FOREST PRODUCTS – 1998-1999

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1999	28,800,000	Board	$ .37	$10,697,000
	1998	18,944,000	Feet	.37	7,009,000
Firewood	1999	760	Cord	85.00	65,000
	1998	750	"	85.00	64,000
Christmas Trees	1999	1,700	Each	20.00	34,000
	1998	1,610	"	20.00	32,000
TOTALS	**1999**				**$10,796,000**
	1998				**$7,105,000**

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1998-1999

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	141	0	
United Parcel Service	0	0	
Truck	232	0	
Other	612	0	

ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS
Field Inspections	475
Phyto Certificates Issued	1,227

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	4	141 Acres
Citrus	4	145 Acres
Pasture	3	41 Acres
Fruit Production	3	26 Acres
Rice	6	2,036 Acres
Vegetables/Herbs	2	14 Acres
Field Crops (Safflower)	1	70 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE – 1998-1999

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly Siphonius phillyreae	Wasp Encarsia Sp.	Established
	Beetle Clitostethus arcuatus	Established
Italian Thistle Carduus tenuifloris	Weevil Rhenocyllus conicus	Established
Puncture Vine Tribulus tenestris	Stem and Seed Weevils Micro lypriformis Microlarinus lareyniei	Established
Yellow Star Thistle Centaurea solstitialis	Weevil Bangasternus orientals	Established
	Eustenopus villosus	Established
	Larinus curtus	1 Release Site
	Fly Urophra sirunaseva	Established
	Chastorellia australis	Established
Bull Thistle Cirsium vilgare	Fly Urophra stylata	3 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Canada Thistle Cirsium arvense	Chemical - Mechanical	0
Dyer's Woad Isatis tinctoria	Chemical - Mechanical	2
Hoary Cress (Whitetop) Cardaria draba	Chemical	3
Perennial Peppergrass Lepidium latifolium	Chemical	11
Plumeless Thistle Carduus acanthoides	Chemical - Mechanical	3
Russian Knapweed Centaurea repens	Chemical	1
White Horsenettle Solanum elaeagnifolium	Chemical	3
Diffuse Knapweed Centaurea diffuse	Chemical	0
Artichoke Thistle Cynara cardunculus	Mechanical	1

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	**1998**	**1999**
Field Crops	$95,231,000	$121,080,000
Fruit and Nut Crops	45,989,000	51,964,000
Livestock and Poultry Products	46,232,000	41,977,000
Seed Crops	13,408,000	13,939,000
Livestock and Poultry	11,954,000	12,671,000
Vegetable Crops	920,000	4,277,000
Nursery Products	2,538,000	3,469,000
Apiary Products	2,623,000*	2,433,000
Total Agricultural Production	**$218,895,000**	**$251,810,000**
Value of Forest Products		
Timber	$7,009,000	$10,697,000
Firewood	64,000	65,000
Christmas Trees	32,000	34,000
Total Forest Products	**$7,105,000**	**10,796,000**
Grand Total All Production	**$226,000,000***	**$262,606,000**

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

1999

ANNUAL RAINFALL AT WILLOWS, CALFORNIA

120 YEARS – 1879 - 1999

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