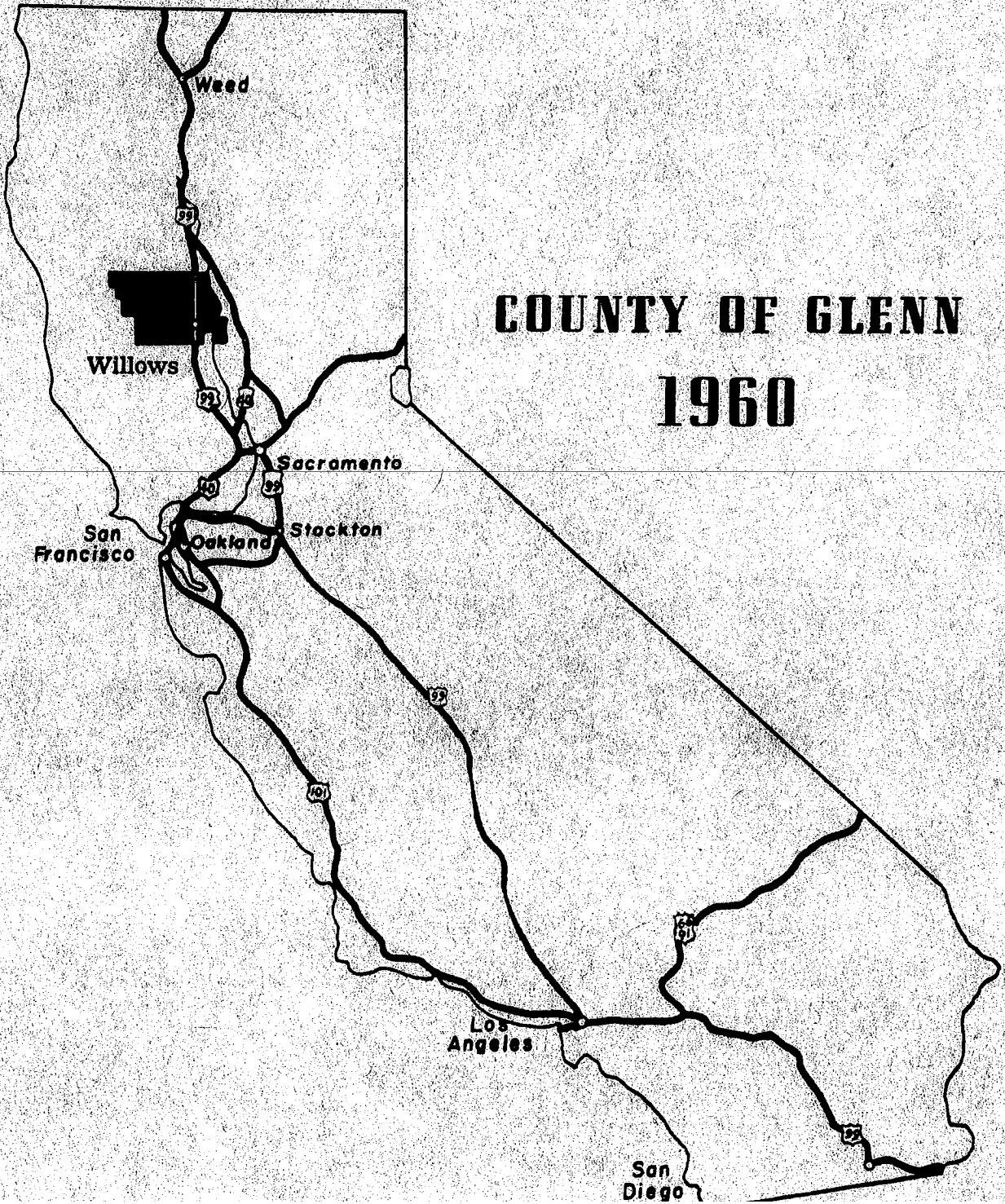


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ANNUAL REPORT

P. V. HARRIGAN

Agricultural Commissioner
and
Sealer of Weights and Measures



COUNTY OF GLENN
1960

GLENN COUNTY DEPARTMENT OF AGRICULTURE
WILLOWS, CALIFORNIA

ANNUAL REPORT
1960

P. V. HARRIGAN
Agricultural Commissioner
and
Sealer of Weights and Measures

BOARD OF SUPERVISORS

C. E. Polzin, Chairman

George S. Lewis

W. L. Linville

George J. Otterson

Walter E. Soeth

Memorial Building, Willows, California

March 10, 1961

P. V. Harrigan
Agricultural Commissioner
Sealer of Weights and Measures

Telephones
Willows—WELLington 4-4651
Orland—UNderhill 5-2264

Charles Paul, Director
State Department of Agriculture
and
Glenn County Board of Supervisors

Gentlemen:

Section 65.5 of the California Agricultural Code requires that the Agricultural Commissioner compile a report covering the condition, acreage, production and value of the agricultural products of his county; and, Section 65 requires that the Commissioner keep a record of his official acts and make an annual report to the Director of Agriculture on the conditions of the agricultural interests in his county; and, further, Section 30 indicates that the Agricultural Department shall promote and protect the agricultural industry of the state.

For the past 24 years this department has published annually a general report on the agricultural crop conditions and development in the county.

The 1960 farm income was tabulated at \$49,000,500 which is a little over a million dollar gain over the previous year, so apparently Glenn County farmers got their share of the farm dollar in 1960. There were a few ups and downs and some fluctuation in production of a few crops. It has been some time since a farmer had to sell his crop on a depressed market, but prices received generally were quite stable and total returns showed a slight improvement when compared to other years.

Three crops showed a decline in production. The navel orange crop was down over a half million dollars due to the excessive "June drop"; the almond crop was also off over a half million dollars, and prunes were down a third of a million dollars. Rice, again registered the highest production on record, and the various seed crops showed substantial gains.

The sheep industry showed a slight drop, but cattle showed over a half million dollars increase. The dairy industry showed an increase of nearly \$400,000 over last year, this was due to the increase in the number of dairy cattle and a slight increase in the market price of dairy products.

Irrigation of new land under pump irrigation has moved along fairly active with 5,000 acres levelled last year, and 54 electric pumps were installed.

A widespread fruit and nut tree planting program has been carried on for several years, but at an accelerated pace the past three years. Almond, prune and citrus tree plantings were far in the lead over other tree plantings.

Crops and conditions generally, when combined with good weather, were favorable to all branches of farm operations in 1960.

Respectfully submitted,

P. V. Harrigan

P. V. HARRIGAN
Agricultural Commissioner

1960 PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

FIELD CROPS: ACREAGE, PRODUCTION AND VALUE, 1959-1960

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley	1960	60,000	0.850	51,000	Ton	\$ 40.00	\$ 2,040,000
	1959	67,000	0.725	48,575	"	41.50	2,015,900
Beans and Field Peas	1960	1,250	0.700	875	"	170.00	148,800
	1959	1,012	0.700	705	"	187.00	131,900
Corn, Field	1960	1,300	2.13	2,763	"	48.00	132,600
	1959	1,383	2.16	2,995	"	48.00	143,800
Hay Alfalfa	1960	17,100	4.8	82,080	"	24.00	1,969,900
	1959	17,000	4.7	80,000	"	26.50	2,120,000
Clover	1960	11,000	1.25	13,800	"	14.00	186,300
	1959	16,500	1.00	16,500	"	13.50	223,000
Mixed	1960	10,000	2.25	22,500	"	19.00	427,500
	1959	11,000	2.18	24,000	"	19.50	468,000
Milo (Sorghum)	1960	12,000	2.00	24,000	"	36.40	873,600
	1959	13,750	2.25	30,938	"	38.00	1,175,600
Oats	1960	1,000	0.85	850	"	46.50	39,900
	1959	950	0.64	618	"	37.50	33,300
Pasture Irrigated	1960	73,000			Acre	38.00	2,774,000
	1959	66,000			"	38.00	2,500,000
Range	1960	250,000			"	2.15	537,500
	1959	250,000			"	2.15	537,500
Stubble	1960	100,000			"	2.50	250,000
	1959	80,000			"	2.50	200,000
Rice	1960	36,152	2.75	93,745	Ton	85.00	7,989,600
	1959	34,662	2.68	92,896	"	82.00	7,617,500
Safflower	1960	21,500	0.437	9,405	"	80.00	752,400
	1959	13,000	0.586	7,612	"	76.00	578,500
Sugar Beets	1960	2,190	15.27	33,450	"	11.40	381,600
	1959	1,220	17.52	21,377	"	11.87	253,700
Wheat	1960	3,029	0.95	2,878	"	59.00	169,800
	1959	2,860	0.80	2,288	"	58.00	132,700
Miscellaneous Crops	1960	3,000			Acre	57.50	172,500
	1959	1,500			"	105.00	157,500
TOTAL	1960						\$18,846,000
	1959						\$18,288,900

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1959-1960

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle and calves	1960	67,200	482,000	Cwt.	\$21.17	\$10,200,000
	1959	62,000	414,400	"	23.00	9,530,800
Sheep and lambs	1960	181,000	195,900	"	15.10	2,957,700
	1959	186,200	201,800	"	14.70	2,966,800
Hogs and pigs	1960	26,400	46,600	"	17.00	852,100
	1959	23,650	42,125	"	16.00	674,000
Chickens	1960		42,500	Lbs.	.16	6,800
	1959		17,000	"	.18	3,200
Turkeys	1960		1,061,700	"	.26	276,000
	1959		1,483,000	"	.24	355,900
TOTAL	1960					\$14,292,600
	1959					\$13,530,700

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE, 1959-1960

Item	Year	Production	Unit	Value	
				Per Unit	Total
Milk Market	1960	367,922	Cwt.	4.83	\$ 1,778,000
	1959	337,853	"	4.86	1,642,000*
Manufacturing	1960	956,872	"	3.29	3,152,000
	1959	867,603	"	3.35	2,897,000*
Wool	1960	1,207,400	Lb.	.44	531,300
	1959	1,403,645	"	.43	597,600
Eggs, chicken (market)	1960	487,030	Doz.	.35	170,400
	1959	224,800	"	.40	89,900
Eggs, turkey (hatching)	1960	908,384	Ea.	.25	227,100
	1959	512,490	"	.25	133,200
TOTAL	1960				\$ 5,858,800
	1959				\$ 5,359,700

*Adjusted figure.

JANUARY 1, INVENTORIES OF LIVESTOCK AND POULTRY, 1960-1961
(in number of head)

Item	January 1, 1960	January 1, 1961
Cattle and calves		
All	18,500	19,000
Milk cows, 2 years and over	21,000	26,500
Cattle and calves on feed	3,000	6,000
Sheep and lambs		
All	190,000	202,000
Stock sheep	149,000	154,000
Sheep and lambs on feed	41,000	48,000
Hogs and pigs	6,500	7,500
Hens and pullets of laying age	44,100	43,000
Turkey breeder hens	11,500	11,000

SEED CROPS: ACREAGE, PRODUCTION AND VALUE, 1959-1960

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per ac.	Total		Per unit	Total
Alfalfa	1960	800	247	198,060	Lb.	\$.32	\$ 63,400
	1959	487	300	146,100	"	.24	35,100
Barley	1960	105	30	3,150	Cwt.	3.25	10,200
Ladino Clover	1960	10,829	241	2,612,200	Lb.	.67	1,750,200
	1959	8,100	289	2,337,500	"	.56	1,303,400
Other Clovers	1960	250		165,000	"	.42	69,300
	1959	160		63,238	"	.54	34,400
Rice	1960	755	55	41,500	Cwt.	5.50	228,300
	1959	623	52	32,400	"	5.60	181,400
Sudan	1960	425	17	7,225	"	6.00	43,400
	1959	1,100	13.4	14,750	"	6.00	88,500
Trefoil	1960	209	79	16,550	Lbs.	.85	14,100
	1959	129	88	11,383	"	.80	9,100
Other Seed	1960			925,450	"		51,100
	1959			506,192	"		50,000
TOTAL	1960						\$2,230,000
	1959						\$1,701,900

FRUIT & NUT CROPS: ACREAGE, PRODUCTION AND VALUE, 1959-1960

Crop	Year	Bearing Acreage	Production		Unit	Value	
			Per ac.	Total		Per Unit	Total
Almonds	1960	3,303	.59	1,942	Tons	\$488.00	\$ 947,900
	1959	3,652	.90	3,298	"	449.30	1,481,800
Apricots, dried	1960	141		112.5	"	800.00	90,000
	1959	161		134	"	715.00	95,500
Olives	1960	992	2.51	2,579	"	145.00	373,900
	1959	868	1.10	967	"	218.60	211,400
Oranges	1960	605	.88	53,400	Ctn.	2.75	146,300
	1959	652	3.25	213,000	"	3.20	681,000
Peaches	1960	60	4.00	237	Tons	45.00	10,600
	1959	55	4.00	211	"	41.70	8,800
Prunes	1960	1,235	2.04	2,523	"	389.00	983,700
	1959	1,364	2.54	3,471	"	374.00	1,298,700
Pears	1960	180	8.44	1,520	"	156.00	237,200
	1959	126	12.00	1,600*	"	125.00	198,900
Walnuts	1960	937	.57 0	534	"	529.00	283,000
	1959	815	.50 0	408	"	475.00	194,200
Walnuts, Black	1960	350		895	"	20.67	18,500
	1959	353		815	"	21.10	17,200
Almond Hulls, Fruit Pits, etc. (by-products)	1960			1,300	"	7.00	9,100
	1959			2,440	"		17,000
Miscellaneous Fruits	1960						
	1959						
TOTAL	1960						\$ 3,100,200
	1959						\$ 4,204,500

*Adjusted figure

VEGETABLE CROPS: ACREAGE, PRODUCTION AND VALUE, 1959-1960

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per ac.	Total		Per unit	Total
Tomatoes	1960	175	8.2	1,435	Ton	\$ 22.50	\$ 32,300
	1959						
TOTAL	1960						\$ 32,300
	1959						

APIARY PRODUCTS: PRODUCTION AND VALUE, 1959-1960

Item	Year	Production Total	Unit	Value	
				Per Unit	Total
Honey	1960	228,200	lb.	.10	\$ 22,800
	1959	338,700	lb.	.08	27,100
Beeswax	1960	6,300	lb.	.43	2,700
	1959	5,400	lb.	.35	1,900
Package Bees	1960	56,900	lb.	1.50	85,400
	1959	59,600	lb.	1.10	65,600
Queen Bees	1960	30,200	ea.	1.25	37,800
	1959	25,100	ea.	1.10	27,600
Pollination	1960				25,100
	1959				15,200
TOTAL	1960				\$173,800
	1959				\$137,400

PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS GLENN COUNTY, CALIFORNIA RECAPITULATION

	1960	1959
Field Crops	\$18,846,000	\$18,288,900
Livestock and Poultry	14,292,600	13,530,700
Dairy Products, Wool & Eggs	5,858,800	5,359,700
Fruit and Nut Crops	3,100,200	4,204,500
Seed Crops from Certified sowed seed	2,230,000	1,701,900
Vegetable Crops	32,300	
Apiary Industry Crop	173,800	137,400
	44,533,700	43,223,100
GOVERNMENT PARTICIPATION:		
Agriculture Conservation	70,000	84,000
Wool Incentive	396,300	564,500
Soil Bank	119,900	119,900
Cover Crop		30,000
Sugar Beet, Processor & Import	70,600	51,300
	656,800	849,700
FOREST PRODUCTS:		
Logs & Milled Lumber	3,515,000	3,515,000
Land Lease Rental to Gas Industries	295,000	400,000
GRAND TOTAL AGRICULTURAL INCOME	\$49,000,500	\$47,987,800
OTHER INCOME — Natural Gas		
1960	30,413,200	M. C. F.
1959	21,308,900	M. C. F.

PRODUCTION AND VALUE OF

Year	Rice Cwt.	Rice Value	Barley Cwt.	Barley Value	Ladino Seed Pounds	Ladino Seed Value
1940	409,000	\$ 511,000	317,500	\$ 259,000	119,000	\$ 96,000
1945	690,000	2,243,000	675,000	1,671,000	350,000	525,000
1946	1,050,000	4,500,000	700,000	2,233,000	440,000	560,000
1947	1,168,000	7,010,000	680,000	2,470,000	375,000	657,000
1948	840,000	4,200,000	1,112,000	3,172,000	670,000	1,106,000
1949	1,219,000	4,023,000	792,000	2,112,000	800,000	1,144,000
1950	900,000	4,050,000	651,000	1,510,000	2,280,000	2,736,000
1951	1,060,000	5,088,000	500,000	1,550,000	3,200,000	3,765,000
1952	1,500,000	9,000,000	500,000	1,700,000	4,650,000	4,500,000
1953	1,428,000	7,500,000	650,000	1,850,000	2,865,000	1,060,000
1954	1,400,000	6,300,000	750,000	1,800,000	1,915,000	1,053,000
1955	1,500,000	6,750,000	600,000	1,500,000	3,002,000	1,622,000
1956	1,500,000	6,400,000	750,000	1,690,000	3,050,000	1,525,000
1957	1,707,200	7,938,400	1,742,000	3,222,700	1,167,000	304,000
1958	1,629,000	6,744,000	653,000	1,450,200	2,044,800	1,022,400
1959	1,857,900	7,617,500	971,500	2,015,900	2,337,500	1,303,400
1960	1,874,900	7,989,600	1,020,000	2,040,000	2,612,200	1,750,200

Year	Prunes Pounds	Prunes Value	Olives Pounds	Olives Value	Oranges Boxes	Oranges Value
1940	2,584,000	\$ 97,500	2,276,000	\$ 96,500	103,500	\$ 207,000
1945	6,000,000	600,000	2,690,000	464,000	85,000	340,000
1946	4,500,000	540,000	1,573,000	202,000	120,000	390,000
1947	7,000,000	500,000	4,479,000	444,000	78,000	187,000
1948	6,000,000	420,000	4,181,000	324,000	45,000	225,000
1949	5,500,000	385,000	1,763,000	190,000	86,000	301,000
1950	3,300,000	418,000	3,123,000	558,000	78,000	234,000
1951	5,544,000	612,000	4,000,000	812,000	105,000	368,000
1952	5,750,000	630,000	3,650,000	580,000	86,000	350,000
1953	4,550,000	550,000	1,250,000	112,000	125,000	625,000
1954	7,800,000	877,000	5,000,000	375,000	120,000	490,000
1955	4,600,000	759,000	1,350,000	160,000	100,000	400,000
1956	7,500,000	900,000	6,165,000	308,000	90,500	428,000
1957	8,250,000	1,080,000	1,245,000	216,000	176,000	572,000
1958	8,500,000	1,572,500	1,240,000	72,000	240,000	840,000
1959	6,941,400	1,298,700	1,933,200	211,400	213,000	681,000
1960	5,046,000	983,700	5,158,000	373,900	53,400	146,300

Year	Hogs Head	Hogs Value	Lambs & Sheep Marketed Head	Wool Marketed Pounds	Sheep & Wool Value	Turkeys Pounds
1940	35,000	\$ 436,000	106,700	1,245,000	\$ 1,110,500	1,693,000
1945	17,500	612,500	141,000	1,160,000	2,262,000	2,382,000
1946	16,500	725,000	121,000	1,372,000	2,248,000	1,482,000
1947	15,000	900,000	127,500	1,000,000	2,490,000	785,000
1948	20,000	950,000	112,000	1,000,000	2,415,000	500,000
1949	25,000	1,125,000	102,000	840,000	2,388,000	550,000
1950	28,000	1,175,000	110,000	1,000,000	3,526,000	1,265,000
1951	47,500	2,000,000	130,000	1,375,000	4,263,000	1,250,000
1952	52,000	1,672,000	169,000	1,630,000	4,753,000	1,325,000
1953	30,000	994,000	163,000	1,200,000	3,397,000	850,000
1954	20,000	720,000	150,000	1,200,000	3,140,000	1,140,000
1955	22,000	700,000	160,000	1,260,000	2,937,000	1,200,000
1956	19,000	650,000	160,000	1,100,000	3,195,000	1,000,000
1957	18,000	612,000	170,000	1,278,000	3,748,000	1,409,400
1958	18,200	612,000	174,000	1,300,000	3,827,000	1,374,200
1959	23,650	674,000	186,200	1,403,600	3,564,400	1,483,000
1960	26,400	852,000	181,000	1,207,400	3,489,000	1,061,700

PRINCIPAL COMMODITIES

Other Field & Seed Crops Cwt.	Other Field & Seed Crops Value	Almonds Pounds	Almonds Value	Walnuts Pounds	Walnuts Value
118,000	\$ 137,000	2,016,000	\$ 302,000	1,203,000	\$ 63,000
97,000	309,000	1,900,000	741,000	542,000	90,000
118,000	300,000	2,000,000	744,000	492,000	97,000
127,000	427,000	2,000,000	680,000	587,000	91,000
129,000	554,000	1,250,000	286,000	550,000	85,000
193,000	501,000	3,000,000	650,000	1,237,000	159,000
91,000	407,000	3,500,000	1,085,000	929,000	141,000
66,000	361,000	3,500,000	1,050,000	1,166,000	212,000
112,000	578,000	3,750,000	1,025,000	1,085,000	199,000
223,000	895,000	3,300,000	780,000	920,000	155,000
268,000	1,205,000	2,225,000	587,000	875,000	123,000
502,000	2,842,000	1,150,000	460,000	800,000	214,000
1,995,000	1,871,000	3,900,000	1,560,000	1,032,000	228,000
2,095,000	1,230,000	2,125,000	1,170,000	594,200	143,000
1,237,000	2,707,000	668,000	258,500	1,384,000	207,600
1,380,000	2,848,000	6,595,500	1,481,800	815,000	194,200
1,508,000	2,978,000	3,884,000	947,900	1,068,000	283,000

Other Fruit Fresh & Dried Pounds	Other Fruit Fresh & Dried Value	Butterfat Pounds	Butterfat Value	Cattle & Calves Marketed Head	Cattle & Calves Value
3,083,500	\$ 95,000	1,879,000	\$ 751,000	9,000	\$ 676,000
4,649,000	328,000	3,343,500	2,841,000	24,500	1,636,500
9,763,000	839,000	2,973,000	2,902,000	23,500	1,695,000
6,072,000	390,000	3,400,000	3,260,000	29,000	3,240,000
2,382,000	119,000	3,690,000	4,001,000	31,500	4,770,000
6,330,000	270,000	3,621,000	3,033,000	43,500	4,134,500
4,177,000	295,000	3,711,000	3,711,000	41,300	7,000,500
7,562,000	440,000	3,807,000	3,970,000	44,200	8,294,500
9,112,000	510,000	3,875,000	4,601,000	41,500	5,540,000
5,700,000	376,000	4,862,000	5,010,000	43,500	3,755,000
7,450,000	310,000	5,136,000	4,402,000	45,000	3,550,000
7,837,000	320,000	5,485,000	4,831,000	45,000	3,925,000
6,840,000	445,000	5,014,000	4,516,000	46,000	5,200,000
5,389,100	444,000	5,510,000	4,787,000	46,500	6,446,000
6,130,000	484,000	5,025,000	4,632,000	60,000	10,046,000
3,513,000	303,200	4,573,100	4,539,000	62,000	9,530,800
3,477,400	337,800	5,034,200	4,930,000	67,000	10,200,000

Turkey Eggs Each	Turkeys & Eggs Value	Pounds Packaged Bees	Honey Tons	Bees & Honey Value	Lumber & Logs Bd. Feet	Lumber & Logs Value
99,000	\$ 303,000	19,700	270	\$ 34,000		\$
841,000	1,205,000	30,000	114	76,500	500,000	20,000
635,000	784,000	37,500	220	164,000	1,400,000	100,000
315,000	409,000	39,000	187	105,000	500,000	50,000
75,000	300,000	38,500	238	131,000	5,000,000	500,000
320,000	332,000	32,000	244	97,000	1,800,000	122,000
400,000	547,000	25,000	144	63,500	7,000,000	240,000
351,000	686,000	24,500	462	123,000	29,000,000	1,067,500
440,000	697,000	26,500	450	131,500	23,000,000	1,647,500
290,000	433,000	25,000	325	121,500	27,000,000	1,956,000
317,000	599,000	25,000	325	95,000	32,000,000	2,000,000
376,000	477,000	32,000	425	125,000	37,000,000	2,600,000
400,000	436,000	38,000	400	143,000	39,500,000	2,902,000
833,600	538,000	52,850	210	157,000	69,000,000	2,501,800
850,000	551,000	60,300	333	204,200	71,500,000	3,515,000
512,500	489,100	59,600	169	137,400	71,500,000	3,515,000
908,400	446,400	56,900	114	173,800	71,500,000	3,515,000

GLENN COUNTY'S POSITION IN STATE PRODUCTION

Below is listed Glenn County's position in comparison to the 58 counties of California:

Glenn County ranks 25th in Agricultural Crop Value

Land area 35th

Ladino Clover Seed	1st
Sheep and Lambs	1st
Safflower	4th
Rice	4th
Permanent Pasture (irrigated) ...	4th
Hogs	6th
Olives	7th
Navel Oranges	7th
Bees and Honey	7th
Almonds	10th
Prunes	10th
Barley	11th
Figs	14th
Alfalfa Hay	16th
Cattle, All	16th
Apricots	16th
Pears	17th
Dairy Products	18th
Wheat	22nd
Sugar Beets	23rd
Dry Beans	23rd
Walnuts	24th
Peaches	24th
Commercial Timber Land	28th

WILDLIFE

Geese	2nd
Ducks	4th
Pheasants	4th
Muskrats	4th
Deer	33rd

The following are commodities produced in the county that grossed over a million dollars each during 1960:

1. Rice
2. Fat Cattle
3. Cattle
4. Milled Lumber
5. Manufacturing Milk
6. Sheep and Lambs
7. Irrigated Pasture
8. Barley
9. Alfalfa Hay
10. Fruit Crops
11. Market Milk
12. Ladino Clover Seed
13. Nut Crops

PETROLEUM INCOME

Natural gas — 2nd largest field in California

Estimates rate Glenn County 4th richest per capita in the United States.

Population of Glenn County 17,245

AGRICULTURE INCOME TOTALS FOR 24 YEARS

Year	Amount	Year	Amount
1937	\$ 6,450,700	1950	\$ 30,637,000
1938	5,670,300	1951	39,005,000
1939	7,698,200	1952	42,473,700
1940	8,206,700	1953	33,267,000
1941	10,587,500	1954	31,364,000
1942	11,973,200	1955	34,570,000
1943	13,824,600	1956	37,970,000
1944	19,047,000	1957	43,000,000
1945	18,577,000	1958	45,448,000
1946	22,260,000	1959	47,987,800
1947	27,935,000	1960	49,000,500
1948	27,070,000		
1949	\$ 24,820,000	24-Year Total	\$638,843,200

United States Department of Agriculture Stabilization And Conservation Participation — 1960

SUPPORT PRICES ALLOWED FOR COMMODITIES (when put under loan or purchase agreement)

Barley	\$ 1.81	cwt.
Beans, Medium White	5.71	cwt.
Small White	6.09	cwt.
Red Kidney	7.27	cwt.
Pink	5.89	cwt.
Pinto	4.96	cwt.
Small Red	5.99	cwt.
Large Lima	8.73	cwt.
Baby Lima	4.24	cwt.
Yellow Corn	2.25	cwt.
Grain Sorghum (Discolored Discount .07 cwt.)	1.84	cwt.
Oats	1.81	cwt.
Rice (20c premium for No. 1)	4.16	cwt.
Wheat	3.12	cwt.
Honey09	lb.

LOAN REDUCTION FOR NOXIOUS WEED SEEDS

Barley, Oats, Rye & Wheat10	bu.
Flaxseed15	bu.
Grain Sorghums15	bu.

COMMODITIES UNDER LOAN — 1960

Farm Stored Rice Loans	347,300 bu.	\$ 16,437.18	
Warehouse Stored Loans	6,165,600 bu.	276,450.40	
Farm Storage Facility Loans		120,501.30	
Warehouse Stored Bean Loans	2,340 bu.	1,642.68	\$ 415,031.56

DIRECT PARTICIPATION

Wool Incentive	\$396,300.00	
Agriculture Conservation	70,000.00	
Soil Bank	119,900.00	
Sugar Beet Processor & Import	70,580.00	\$ 656,780.00

INDIRECT PURCHASE BENEFIT TO DAIRY INDUSTRY 500,000.00

TOTAL UNITED STATES PARTICIPATION (Agriculture) \$1,571,811.00

ASSESSED VALUATION \$54,543,840.00

BUDGET TO OPERATE GLENN COUNTY:

Budget of County (under Board of Supervisors)	\$ 3,793,934.20	
Special Districts Governed through Board of Supervisors	79,998.71	
Budgets of Districts Governed by Local Boards (Schools, Cemetery Districts, Fire & Levee Districts)	2,817,553.77	

GRAND TOTAL COUNTY BUDGET \$ 6,691,486.68

SOURCE OF INCOME:

Current County Taxes — General County	\$1,034,971.78	
Special Districts	1,211,163.03	
Other Revenue (State, Federal, including cash on hand) — General County	2,758,962.42	
Special Districts	1,686,389.45	

\$6,691,486.68

RESOURCES

Lakes	Plaskett Meadows, Stony Gorge Dam and Packer Lake	
County Parks		5
Forest Camp Grounds, Improved Units		74
Visitations annually to National Forest areas		23,000
National Forest Acreage		221,568
Elevation in Forest — Highest Point		7,450

Kinds of Fish:

- Mountain streams — Rainbow Trout, Steelhead
- Rivers — Striped Bass, Black Bass, Salmon, Shad,
Catfish, Steelhead, Rainbow Trout, Sturgeon.
- Lakes — Black Bass, Catfish, Sunfish, Crappie, Bluegill.

Rivers and Creeks:	(Length in miles through Glenn County)	
Sacramento River		40
Black Butte River, a tributary of Eel River		7
Stony Creek, main stream		68
Stony Creek, north fork		12
Briscoe Creek		12
Grindstone Creek		28
Cold Creek		6
Willow Creek		37
Butte Creek		12
Walker Creek		20

Estimated number of Wild Game

		Estimated number of Predators	Reported killed by Licensed Hunters, Trappers and Others
Columbia Black Tail Deer	12,000	—	864
California Black Bear	100	—	6
Wild Ducks	1,075,000	—	—
Wild Geese	200,000	—	—
Ring-neck Pheasants	50,000	—	—
Calif. Valley & Mt. Quail	60,000	—	—
Mourning Doves	90,000	—	—
Band-tail Pigeons	10,000	—	—
Beaver	450	—	138
Otter	30	—	1
Mountain Lions (State Bounty — Female \$60; Male \$50)	—	10	4
Coyotes (County Bounty \$10)	—	4,000	156
Bobcats	—	2,500	2
Badgers	—	200	0
Raccoons	—	1,700	119
Skunks	—	15,000	246
Mink	—	400	7
Grey Fox	—	8,000	15
Red Fox	—	1,500	0
Muskrats, trapped	—	—	4,032

Glenn County has 18 State Licensed Trappers

APIARY INSPECTION

	Apiaries	Colonies
Registered during 1960	184	5,790
Entering County	32	2,143
Leaving County	20	1,343
Moving within the County	41	1,459
Inspected	60	2,286
Infected with American Foulbrood	6	11
Infected with European Foulbrood	3	12
Burned for American Foulbrood	6	11

ECONOMIC RESOURCES

Water Resources: Sacramento River, Feather River, Stony Creek, Grindstone Creek and Butte Creek.

Water Storage: Shasta Dam on Sacramento River; Stony Gorge Dam and East Park Dam on Stony Creek.

Irrigation Districts in Operation:	Acres
Orland, U. S. Reclamation District — Stony Creek	20,000
Glenn-Colusa Irrigation District — Sacramento River	54,435
Jacinto Irrigation District — Sacramento River	12,560
Provident Irrigation District — Sacramento River	12,520
Princeton-Codora-Glenn — Sacramento River	7,000
Willow Creek Mutual Water Co. — Sacramento River	1,000
Loam Ridge Irrigation District — Pumps	1,200
Western Canal Company — Feather River	11,000
Stony Creek Valley, Riparian Water Rights	3,800
Pump irrigation from farm wells	45,600
TOTAL ACREAGE UNDER IRRIGATION	169,115
Other Land Suitable For Irrigation:	
Orland-Artois Irrigation District	18,000
Kanawha Irrigation District	2,800
West of present irrigation systems	66,000
Butte City District, east of Sacramento River	25,000
Stony Creek Valley	4,436
West of Orland on Stony Creek, below proposed Black Butte Dam	15,000
Sloping land and foothill valleys	40,609
ADDITIONAL ACREAGE SUITABLE FOR IRRIGATION	171,845
TOTAL IRRIGABLE LAND IN GLENN COUNTY	340,960

Total Acreage in Glenn County	880,000
Acres in Farm Land	319,000
Land leveled for irrigation in 1960, 5,000 acres.	
Irrigation wells drilled in 1960, 54	
Acres in Range Land	287,000
Acres in National Forest	221,568
Acres of Commercial Timber Land	113,000
Board Feet of Standing Timber	3,000,000,000
Species of merchantable trees: Sugar Pine, Ponderosa (yellow) Pine, Douglas Fir, White Fir, Red Fir and Incense Cedar	

PRINCIPAL AGRICULTURAL INDUSTRIES

	No.		No.
Rice Dryers, Public & Private	37	Sugar Beet Processing Plants	1
Commercial Warehouses	12	Flying Service Companies (pest control, grain seeding, fertilization, weed control, fire control) ..	6
Seed Milling & Processing Plants	5	Agricultural Chemical Fertilizer Companies	4
Feed Mills	6	Nurseries	4
Poultry Processing Plants	5	Sawmills	1
Livestock Auction Yards	3	Well Drilling Companies (water)	4
Commercial Feed Lots	12	Natural Gas Wells in Production	85
Slaughter Houses	4		
Milk Processing Plants	5		
Fruit & Nut Processing Plants	15		
Honey & Bee Packaging Plants	8		

Mendocino National Forest Headquarters, Willows
 Sacramento Valley Wildlife Refuge, Willows
 Glenn County Chamber of Commerce, Orland

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

82 YEARS — 1878-1960

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1906-1907	17.88	1934-1935	19.62
1879-1880	13.96	1907-1908	13.44	1935-1936	17.48
1880-1881	13.85	1908-1909	22.09	1936-1937	16.40
1881-1882	8.28	1909-1910	14.36	1937-1938	26.28
1882-1883	8.45	1910-1911	17.75	1938-1939	6.82
1883-1884	18.84	1911-1912	11.26	1939-1940	23.21
1884-1885	7.80	1912-1913	13.18	1940-1941	40.50
1885-1886	19.15	1913-1914	29.18	1941-1942	24.07
1886-1887	8.07	1914-1915	27.19	1942-1943	15.68
1887-1888	8.97	1915-1916	18.11	1943-1944	13.52
1888-1889	10.30	1916-1917	11.43	1944-1945	16.94
1889-1890	29.94	1917-1918	11.90	1945-1946	14.72
1890-1891	19.01	1918-1919	12.90	1946-1947	12.28
1891-1892	18.82	1919-1920	7.70	1947-1948	19.56
1892-1893	27.30	1920-1921	21.28	1948-1949	15.59
1893-1894	11.15	1921-1922	13.44	1949-1950	10.32
1894-1895	26.04	1922-1923	16.81	1950-1951	17.48
1895-1896	22.18	1923-1924	8.86	1951-1952	23.50
1896-1897	18.82	1924-1925	25.99	1952-1953	19.70
1897-1898	6.58	1925-1926	18.44	1953-1954	16.64
1898-1899	13.05	1926-1927	25.99	1954-1955	14.57
1899-1900	15.23	1927-1928	17.54	1955-1956	23.24
1900-1901	17.49	1928-1929	11.46	1956-1957	19.11
1901-1902	21.67	1929-1930	16.37	1957-1958	32.93
1902-1903	17.10	1930-1931	9.85	1958-1959	11.96
1903-1904	20.28	1931-1932	15.01	1959-1960	13.88
1904-1905	24.55	1932-1933	7.79		
1905-1906	19.85	1933-1934	15.65		

PLANT QUARANTINE

INTERSTATE SHIPMENTS: (incoming)

Number of non-bulk shipments passed	538
Number of plants passed	30,237
Number of non-bulk shipments rejected	5
Number of plants rejected	11
Number of railroad cars inspected, grain	0
Number of railroad cars held in quarantine	0

EXPORT CERTIFICATION: (interstate and foreign, outgoing)

Number of certificates issued	106
Number of containers	12,025
Number of pounds	1,093,186

INTRASTATE SHIPMENT: (incoming)

Number of non-bulk shipments passed	474
Number of plants passed	419,579
Number of non-bulk shipments rejected	28
Number of plants rejected	944

The Following Table Was Compiled From Commercial Pest Control Operators' Reports And From Permits Issued To Private Farm And Orchard Operators.

Crop	Acreage Treated By Aircraft		Acreage Treated By Ground Rig		Total Acreage Treated
	Herbicides	Insecticides	Herbicides	Insecticides	
FIELD CROPS:					
Rice	30,619	13,466			44,085
Yellow Corn	160		246		406
Barley	12,284		1,416		13,700
Milo (Sorghum)	120				120
Alfalfa		5,662	206	90	5,958
Ladino	9,123	16,867	1,124	3,547	30,661
Beans & Peas		1,930		102	2,032
Other Field Crops ..	842	2,371	172		3,385
FRUITS & NUTS:					
Almonds				162	162
Walnuts		121		263	384
Peaches, Prunes & Apricots				138	138
Oranges				25	25
Pears		205		100	305
MISCELLANEOUS:					
Weeds & Summer Fallow	524		787		1,311
Tomatoes, Potatoes, etc.		330			330
Totals	53,672	40,952	3,951	4,427	103,002

918,241 lbs. of seed grain was treated by Commercial Pest Control Operators.

CHEMICALS AND POISONS USED BY THIS DEPARTMENT

RODENT AND PEST

ANIMAL CONTROL

3,186 pounds strychnine-treated barley
 141 pounds strychnine-treated milo
 5 pounds strychnine-treated gopher
 bait
 150 pounds strychnine-treated rice
 203 pounds strychnine-treated wheat
 3,735 pounds Pival-treated bait

WEED CONTROL

156 pounds Dalapon
 1,579 pounds Dowpon
 400 gallons diesel
 30 gallons kerosene
 570 pounds Polybor chlorate
 2 pints Sinox
 497 quarts 2,4-D
 8 gallons Trysben
 33 quarts X-77
 100 gallons Weedol
 7 quarts Dow General Weed killer

10 pounds Z-1 spreader

3 gallons Sodium arsenite

INSECT AND FUNGUS CONTROL

45 pints Chlordane
 111 pounds Chlordane dust
 19 pounds COCS
 68 ounces Cyanogas
 43 pounds DDT dust
 59 gallons DDT
 23 gallons Dieldrin
 210 pounds Dieldrin dust
 1,594 Dieldrin-treated bran
 247 gallons kerosene
 10 pounds Lime
 25 quarts Malathion
 123 pounds Malathion dust
 2 quarts Parathion
 2 pounds Parathion dust
 33 gallons summer oil
 5 quarts Tigress insecticide
 4 pounds Zinc sulphate

1960—Ten Most Important Insect/Mite Species—Glenn County

INSECT	Crop (s)	County Crop Value (\$)	Estimated Damage and Loss			
			Assessable Yield Loss (\$)	Control Cost (\$)	% Loss of Crop Value	Estimated Over-all Loss (\$)
Lygus Bugs	Clover & Alfalfa	\$ 3,813,795	\$197,500	\$67,170	7%	\$264,670
Spider Mites	Beans, clover & orchards	2,832,700	192,000	47,000	8%	239,000
Spotted Alfalfa Aphid	Alfalfa	1,969,900	175,000	15,500	9½%	190,500
Grain Storage Insects	Stored Grain	11,259,700	128,900	17,600	1½%	146,500
Tadpole Shrimp & Scavenger Beetle	Rice	7,989,600	36,700	52,900	1%	89,600
Armyworms	Clover, Alfalfa, Sorghum & Pasture	3,583,700	70,200	1,500	2%	71,700
Navel Orange Worm	Almonds & Walnuts	966,400	20,300	25,500	4%	45,800
Rice Leaf Miner	Rice	7,989,600	20,000	20,000	½%	40,000
Pear Leaf Miner	Pears	228,000	6,800	3,200	3%	10,000
Corn Earworm ...	Corn & Tomatoes	153,000	4,320	1,800	4%	6,120

REPORT ON WEIGHTS AND MEASURES WORK — 1960

The following equipment was tested and	Sealed WITHOUT Correction	Sealed AFTER Correction	Out of Order	Condemned and Confiscated
Abattoir scales	2	0	0	0
Animal scales (single animal)	1	1	0	0
Computing scales	72	5	18	0
Counter scales	49	8	1	0
Dormant scales	25	5	3	1
Hopper scales	14	1	4	0
Livestock scales	48	11	3	0
Meat Beams & Steelyards	9	0	2	0
Person Weighers	1	1	0	0
Platform scales	44	14	3	0
Prescription scales	8	0	0	0
Spring scales	42	3	11	1
Vehicle scales	53	18	5	0
Weights, commercial	261	5	2	0
Weights, prescription	34	3	0	0
Farm holding tanks	40	3	3	0
Grease meters	36	0	5	0
Linear measures	16	0	0	0
Liquid measures	55	2	1	0
Retail pumps and meters	124	12	6	0
Vehicles measured for capacity	1	0	0	0
Vehicle tank compartments gauged	1	0	0	0
Totals	936	92	67	2

Packages or containers inspected: 1,740.

Underweight: 8. Correct: 1,720. No net weight marked: 12.

Signs inspected: 27. Signs correct: 25. Signs corrected: 2.

Establishments visited: 512. Certificates issued: 350.