

GLENN COUNTY DEPARTMENT OF AGRICULTURE
WILLOWS, CALIFORNIA

ANNUAL REPORT 1962

P. V. HARRIGAN

Agricultural Commissioner
Sealer of Weights and Measures
County Livestock Inspector

BOARD OF SUPERVISORS

John F. Fiack, Chairman

C. E. Polzin

Ralph Colbert

William C. Reimers

Walter E. Soeth

P. V. HARRIGAN
Agricultural Commissioner
Sealer of Weights and Measures
County Livestock Inspector



Office: Memorial Building
Telephones
Willows—WELLington 4-4651
Orland—UNderhill 5-2264

"Where Water Is King"

COUNTY OF GLENN

WILLOWS, CALIFORNIA

To: Charles Paul, Director
California State Department of Agriculture
and
The Board of Supervisors of Glenn County

Gentlemen:

The California Agricultural Code, Section 65.5, requires the Agricultural Commissioner to 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.

This is the 26th annual crop report by the Glenn County Agricultural Commissioner. The report covers in a brief way the general trends in the agricultural development of Glenn County.

The 1962 overall farm income for Glenn County topped all previous records with \$55,708,300 tabulated for the total return. This record income is \$4,850,900 over the 1961 all-time high.

A great deal of credit for the increased income can be attributed to the rice crop which was the result of a higher yield per acre from a larger acreage harvested. The \$10,660,000 for the 1962 rice crop keeps it as Glenn County's No. 1 Crop.

An increase in the planting of safflower has placed this crop in the "over a \$1,000,000 farm income" group. This fairly new crop continues to take an increasingly more important place in Glenn County's farm income.

Good growing weather and ample moisture, either by rainfall or irrigation, can be credited for the successful farm year of 1962.

Respectfully submitted,

P. V. Harrigan

P. V. HARRIGAN
Agricultural Commissioner

1962 PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

FIELD CROPS: ACREAGE, PRODUCTION AND VALUE, 1961-1962

Crop	Year	Harvested acres	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley	1962	59,000	1.25	73,800	Ton	\$ 43.00	\$ 3,173,000
	1961	60,000	.90	54,000	"	45.40	2,451,600
Beans and Field Peas	1962	960	.90	864	"	160.00	138,000
	1961	1,880	.621	1,170	"	200.00	234,000
Corn, Field	1962	750	2.75	2,100	"	50.00	105,000
	1961	1,000	2.50	2,500	"	49.60	124,000
Hay Alfalfa	1962	17,200	5.50	94,600	"	22.00	2,081,000
	1961	17,100	5.50	94,000	"	19.00	1,786,000
Clover	1962	12,000	1.00	12,000	"	10.00	120,000
	1961	12,000	1.00	12,000	"	10.00	120,000
Mixed	1962	9,500	2.50	23,800	"	17.00	404,600
	1961	10,000	2.25	22,500	"	15.00	337,500
Oats	1962	1,700	.86	1,460	"	40.00	58,400
	1961	1,000	.75	750	"	45.00	33,800
Pasture Irrigated	1962	74,000			Acre	40.00	2,960,000
	1961	73,000			"	38.00	2,774,000
Range	1962	250,000			"	2.50	625,000
	1961	250,000			"	2.15	538,000
Stubble	1962	90,000			"	2.00	180,000
	1961	90,000			"	2.00	180,000
Rice	1962	41,000	2.60	106,600	Ton	100.00	10,660,000
	1961	36,700	2.36	86,600	"	94.00	8,140,000
Safflower	1962	21,500	.49	10,535	"	100.00	1,053,500
	1961	18,300	.55	10,060	"	93.60	941,600
Sorghum Grain	1962	14,000	1.75	24,500	"	40.00	980,000
	1961	8,000	2.00	16,000	"	41.80	668,800
Sugar Beets	1962	1,492	18.16	27,100	"	12.90	349,600
	1961	2,190	14.40	31,500	"	12.85	404,800
Wheat	1962	2,100	.84	1,760	"	72.00	126,700
	1961	3,000	.75	2,250	"	65.00	146,300
Miscellaneous Crops	1962	1,500			Acre		63,500
	1961	1,500			"		60,000
TOTAL	1962						\$23,078,300
	1961						\$18,940,400

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1961-1962

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle and calves	1962	73,100	525,000	Cwt.	\$23.00	\$12,075,000
	1961	73,500	527,500	"	23.00	12,121,000
Sheep and lambs	1962	111,000	122,100	"	18.00	2,200,000
	1961	136,400	148,000	"	15.00	2,220,000
Hogs and pigs	1962	24,449	53,800	"	20.00	1,076,000
	1961	30,300	60,600	"	19.50	1,182,000
Chickens, all	1962		38,000	lbs.	.16	6,100
	1961		35,000	"	.17	6,000
Turkeys	1962		1,656,000	"	.28	464,000
	1961		841,000	"	.27	227,000
Horses and mules	1962					87,000
	1961					
TOTALS	1962					\$15,908,100
	1961					\$15,756,000

**LIVESTOCK AND POULTRY PRODUCTS:
PRODUCTION AND VALUE, 1961-1962**

Item	Year	Production	Unit	Value	
				Per Unit	Total
Milk Market	1962	431,000	Cwt.	\$4.70	\$ 2,026,000
	1961	406,000	"	4.71	1,912,000
Manufacturing	1962	856,000	"	3.30	2,825,000
	1961	896,000	"	3.48	3,118,000
Wool	1962	1,189,000	lbs.	.48	575,000
	1961	1,125,000	"	.47	529,000
Eggs, chicken (market)	1962	606,000	Doz.	.36	218,000
	1961	290,000	"	.35	102,000
Eggs, turkey (hatching)	1962	1,060,000	ea.	.25	265,000
	1961	1,237,000	"	.25	309,000
TOTALS	1962				\$5,909,000
	1961				\$5,970,000

FRUIT & NUT CROPS: ACREAGE, PRODUCTION AND VALUE, 1961-1962

Crop	Year	Bearing Acreage	Production		Unit	Value	
			Per ac.	Total		Per Unit	Total
Almonds	1962	3,260	.30	978	Ton	\$600.00	\$ 587,000
	1961	3,157	.80	2,520	"	540.00	1,361,000
Apricots	1962	137	3.90	534	"	120.00	64,000
	1961	138	3.24	447	"	116.00	51,900
Olives	1962	992	2.00	1,984	"	200.00	397,000
	1961	959	3.14	3,010	"	149.00	448,000
Oranges	1962	604	7.00	4,228	"	141.00	596,000
	1961	605	.94	570	"	290.00	165,000
Peaches	1962	59	5.00	290	"	52.00	15,100
	1961	51	5.50	300	"	53.00	15,900
Prunes	1962	1,606	2.52	4,050	"	290.00	1,175,000
	1961	1,487	2.78	4,145	"	330.00	1,368,000
Pears	1962	209	11.00	2,300	"	80.00	184,000
	1961	220	13.73	3,020	"	100.00	302,000
Walnuts	1962	961	.63	605	"	460.00	278,000
	1961	961	.61	590	"	445.00	263,000
Walnuts, Black	1962	200	1.75	350	"	20.00	7,000
	1961	200	1.50	300	"	20.00	6,000
Almond Hulls Fruit Pits, etc. (by-products)	1962			400	"	7.00	2,800
	1961			760	"	7.00	5,300
Miscellaneous Fruits	1962	12					4,000
	1961	12					3,900
TOTALS	1962						\$3,309,900
	1961						\$3,990,000

VEGETABLE CROPS: ACREAGE, PRODUCTION AND VALUE, 1961-1962

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per ac.	Total		Per unit	Total
Tomatoes	1962	900	18.8	16,900	Ton	\$ 27.50	\$ 457,000
	1961	720	9.0	6,480	"	30.00	194,400
TOTAL	1962	900	18.8	16,900	"	27.50	\$ 457,000
	1961	720	9.0	6,480	"	30.00	\$ 194,400

NURSERY PRODUCTS: PRODUCTION AREA, SALES & VALUE, 1961-1962

Item	Year	Production area		Quantity sold by producers	Unit	Value	
		Field acres	House sq. ft.			Per Unit	Total
Nursery Crops	1962						\$ 83,300
	1961						\$ 41,000
TOTAL	1962						\$ 83,300
	1961						\$ 41,000

JANUARY 1, INVENTORIES OF LIVESTOCK AND POULTRY, 1962-1963
(in number of head)

Item	January 1, 1962	January 1, 1963
Cattle and calves		
All	71,300	72,700
Milk cows, 2 years and over	18,800	19,200
Cattle and calves on feed	6,000	6,200
Sheep and lambs		
All	179,000	182,000
Stock sheep	134,000	136,000
Sheep and lambs on feed	45,000	46,000
Hogs and pigs	12,500	12,800
Hens and pullets of laying age	40,000	41,000
Turkey breeder hens	14,000	14,500

SEED CROPS: ACREAGE, PRODUCTION AND VALUE, 1961-1962

Crop	Year	Harvested acres	Production		Unit	Value	
			Per ac.	Total		Per unit	Total
Alfalfa	1962	350	450	157,900	lbs.	\$.38	\$ 60,000
	1961	350	260	91,000	"	.36	32,800
Barley	1962	75	36	2,700	cwt.	2.50	6,800
	1961	120	38	4,560	"	2.50	11,400
Ladino Clover	1962	12,000	300	3,600,000	lbs.	.60	2,160,000
	1961	13,100	245	3,209,500	"	.55	1,765,000
Other Clovers	1962	500	475	238,000	"	.58	138,000
	1961	450	355	159,800	"	.46	73,500
Rice	1962	790	53	41,900	cwt.	6.60	276,000
	1961	570	55	31,400	"	6.50	204,100
Sudan	1962	520	18.5	9,620	"	7.00	67,300
	1961	1,320	11	14,500	"	6.00	87,000
Trefoil	1962	50	393	19,650	lbs.	.85	16,700
	1961	50	162	8,100	"	.75	6,100
Other Seed	1962			885,000	"		45,000
	1961			950,000	"		60,000
TOTAL	1962						\$2,769,800
	1961						\$2,239,900

APIARY PRODUCTS: PRODUCTION AND VALUE, 1961-1962

Item	Year	Production Total	Unit	Value	
				Per Unit	Total
Honey	1962	388,819	lbs.	.10	\$ 38,800
	1961	308,700	lbs.	.10	\$ 30,900
Beeswax	1962	9,440	lbs.	.45	4,300
	1961	8,020	lbs.	.45	3,600
Package Bees	1962	68,500	lbs.	1.40	95,900
	1961	61,036	lbs.	1.40	85,500
Queen Bees	1962	36,000	ea.	1.25	45,000
	1961	32,700	ea.	1.55	50,700
Pollination	1962				28,500
	1961				29,700
TOTAL	1962				\$212,500
	1961				\$200,400

PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS GLENN COUNTY, CALIFORNIA RECAPITULATION

	1962	1961
Field Crops	\$23,078,300	\$18,940,400
Livestock and Poultry	15,908,100	15,756,000
Dairy Products, Wool & Eggs	5,909,000	5,944,000
Fruit and Nut Crops	3,909,000	3,990,000
Seed Crops from Certified Sowed Seed	2,769,800	2,239,900
Vegetable Crops	457,000	194,400
Apiary Industry Crop	212,500	200,400
Nursery Products Total Income	83,300	41,000
 TOTALS	 \$51,727,000	 \$47,306,100
 GOVERNMENT PARTICIPATION:		
TOTALS	\$ 581,300*	\$ 581,300
 FOREST PRODUCTS:		
Logs & Milled Lumber	\$ 3,150,000	\$ 2,700,000
LAND LEASE RENTAL GAS INDUSTRIES	\$ 250,000	\$ 270,000
GRAND TOTAL AGRICULTURAL INCOME	\$55,708,300	\$50,857,400
 OTHER INCOME — Natural Gas		
1962	18,186,000 M. C. F.	
1961	28,009,000 M. C. F.	

*1961 Figure

PRODUCTION AND VALUE C

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
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
1961	1,732,000	8,140,000	1,080,000	2,451,600	3,209,500	1,765,000
1962	2,132,000	10,660,000	1,476,000	3,173,000	3,600,000	2,160,000

Year	Prunes Pounds	Prunes Value	Olives Pounds	Olives Value	Oranges Boxes	Orange 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
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
1961	8,286,000	1,368,000	6,020,000	448,000	30,800	165,000
1962	8,100,000	1,175,000	3,968,000	397,000	169,000	596,000

Year	Hogs Head	Hogs Value	Lambs & Sheep		Sheep & Wool Value	Turkeys Pounds
			Marketed Head	Wool Marketed 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
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
1961	30,300	1,182,000	136,400	1,125,000	2,749,000	841,000
1962	24,450	1,076,000	111,000	1,189,000	2,775,000	1,656,000

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
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
1,441,000	2,553,000	5,040,000	1,361,000	1,180,000	263,000
1,392,000	2,603,000	1,956,000	587,000	1,210,000	278,000

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
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	4,802,000	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
7,534,000	370,000	5,040,000	5,004,000	73,500	12,121,000
7,688,000	391,000	5,587,000	4,851,000	71,100	12,075,000

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
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
333,600	538,000	52,850	210	157,000	69,000,000	2,501,800
350,000	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
108,400	446,400	56,900	114	173,800	71,500,000	3,515,000
137,100	536,000	61,036	154	200,400	51,000,000	2,700,000
160,000	482,000	68,500	194	212,500	67,500,000	3,150,000

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
Hogs	3rd
Sheep and Lambs	3rd
Rice	4th
Permanent Pasture, irrigated acres	4th
Olives	4th
Safflower	7th
Almonds	9th
Barley	10th
Navel Oranges	11th
Prunes	11th
Cattle, All	12th
Pears	14th
Apricots	16th
Dairy Products	17th
Alfalfa Hay	18th
Honey	19th
Dry Beans	19th
Wheat	20th
Peaches	20th
Sugar Beets	21st
Walnuts	21st
Commercial Timber Land	28th

WILDLIFE

Geese	4th
Ducks	4th
Muskrats	4th
Pheasants	9th
Deer	33rd

The following are commodities produced in the county that grossed over a million dollars each during 1962:

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

PETROLEUM INCOME

Bee Hive Bend — One of the Largest Natural Gas Fields in California

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

Population of Glenn County 20,200

AGRICULTURE INCOME TOTALS FOR 26 YEARS

Year	Amount	Year	Amount
1937	\$ 6,450,700	1951	39,005,000
1938	5,670,300	1952	42,473,700
1939	7,698,200	1953	33,267,000
1940	8,206,700	1954	31,364,000
1941	10,587,500	1955	34,570,000
1942	11,973,200	1956	37,970,000
1943	13,824,600	1957	43,000,000
1944	19,047,000	1958	45,448,000
1945	18,577,000	1959	47,987,800
1946	22,260,000	1960	49,355,600
1947	27,935,000	1961	50,857,400
1948	27,070,000	1962	55,708,000
1949	24,820,000		
1950	\$ 30,637,000	26 Year Total	\$745,763,700

United States Department of Agriculture Stabilization And Conservation Participation — 1962

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

Barley	\$ 2.13 cwt.
Beans, Medium white	6.40 cwt.
Small white	7.33 cwt.
Red Kidney	8.51 cwt.
Pink	7.01 cwt.
Small red	7.23 cwt.
Pinto	6.08 cwt.
Large lima	10.05 cwt.
Baby lima	5.40 cwt.
Yellow corn	2.35 cwt.
Oats71 cwt.
Grain Sorghum (Discolored Discount .07 cwt.)	2.27 cwt.
Rice (20c premium for No. 1)	4.71 cwt.
Wheat	3.12 cwt.*
Honey095 lb.

COMMODITIES UNDER LOAN — 1962

Farm Storage Facility Loans	\$237,631.00	\$237,631.00
-----------------------------------	--------------	--------------

DIRECT PARTICIPATION

Wool Incentive	\$298,670.00*	
Agriculture Conservation	78,839.00*	
Soil Bank	139,155.00*	
Sugar Beet Processor & Import	64,628.00*	\$581,292.00*

TOTAL UNITED STATES PARTICIPATION (Agriculture)	\$818,923.00
---	--------------

*1961 Figure

PRINCIPAL AGRICULTURAL INDUSTRIES

	No.		No.
Rice Dryers, Public & Private	45	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	7
Feed Mills	4	Nurseries	10
Poultry Processing Plants	1	Sawmills	1
Livestock Auction Yards	3	Well Drilling Companies (water)	4
Commercial Feed Lots	12	Natural Gas Wells in Production	94
Slaughter Houses	4		
Milk Processing Plants	5		
Fruit & Nut Processing Plants	15		
Honey & Bee Packaging Plants	5		

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

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

84 YEARS — 1878-1962

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	1960-1961.....	16.24
1905-1906.....	19.85	1933-1934.....	15.65	1961-1962.....	16.01

PLANT QUARANTINE

INTERSTATE SHIPMENTS: (incoming)

Number of non-bulk shipments passed	530
Number of plants passed	16,291
Number of non-bulk shipments rejected	5
Number of plants rejected	891

EXPORT CERTIFICATION: (interstate and foreign, outgoing)

Number of certificates issued	117
Number of containers	16,156
Number of pounds	1,479,881

INTERSTATE SHIPMENT: (incoming)

Number of bulk shipments passed	14
Number of bulk units passed	1,119
Number of non-bulk shipments passed	356
Number of plants passed	98,916
Number of non-bulk shipments rejected	40
Number of plants rejected	657

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		24,500
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	Reported killed by
	Predators	Licensed Hunters, Trappers and Others
Columbia Black Tail Deer	12,500	980
California Black Bear	200	10
Wild Ducks	1,750,000	—
Wild Geese	500,000	—
Ring-neck Pheasants	75,000	—
Calif. Valley & Mt. Quail	85,000	—
Mourning Doves	150,000	—
Band-tail Pigeons	10,000	25
Beaver	250	50
River Otter	20	1
Mountain Lions (State Bounty — Female \$60; Male \$50)	—	4
Coyotes (County Bounty \$10)	—	110
Bobcats	—	14
Badgers	—	2
Raccoons	—	150
Skunks	—	300
Mink	—	0
Grey Fox	—	8
Red Fox	—	5
Muskrats, trapped	—	3,000
Opposum	—	20

Glenn County has 18 State Licensed Trappers

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	67,000
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	49,200
TOTAL ACREAGE UNDER IRRIGATION	172,720
Other Land Suitable For Irrigation:	
Orland-Artois Irrigation District	17,400
Kanawha Irrigation District	2,800
West of present irrigation systems	63,000
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	168,245
TOTAL IRRIGABLE LAND IN GLENN COUNTY	340,965

Total Acreage in Glenn County	880,000
Acres in Farm Land	400,000
Land leveled for irrigation in 1962, 2,600 acres.	
Irrigation wells drilled 1962, 71.	
Acres in Range Land	206,000
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	

APIARY INSPECTION

	Apiaries	Colonies
Registered during 1962	178	5,668
Inspected	17	631
Infected with American Foulbrood	4	7
American Foulbrood to Wax Salvage Plant	4	7
Infected with European Foulbrood	1	1
Entering county	31	1,822
Leaving county	35	1,791
Moving within the county	50	1,839

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	39 261	19,301			58,562
Yellow Corn	129		52		181
Barley	12,222		3,948		16,170
Oats	35		392		427
Sorghum Grain	1,186		465		1,651
Alfalfa	710	5,944	73	324	7,051
Clover	8,552	6,941	6,218	1,529	23,240
Beans		1,304		56	1,360
Other Field Crops ..	640	420	440		1,500
FRUITS & NUTS:					
Almonds		20	257	582	859
Walnuts		183		290	473
Prunes		1,430		292	1,722
Pears		195		360	555
Sub-tropical Fruits		233		20	253
MISCELLANEOUS:					
Weeds & Summer					
Fallow	200		582		782
Tomatoes		1,241			1,241
Roses		362			362
Totals	62,935	37,574	12,427	3,453	116,389

1,102,864 lbs. of seed grain was treated by Commercial Pest Control Operators.

CHEMICALS AND POISONS USED BY THIS DEPARTMENT

RODENT AND PEST

ANIMAL CONTROL:

6,429 Pounds strychnine-treated bait
 5,257 Pounds anti-coagulant bait
 22 Pounds "1080" treated bait
 3 Pints Toxaphene
 1 Quart Endrin

WEED CONTROL:

30 Pounds Amino Triazole
 70 Quarts Amitrole T
 20 Pounds Atrazine 80W
 350 Pounds Chlorea
 75 Pounds Dowpon
 358 Gallons diesel oil
 19 Pounds Karmex
 200 Pounds Polybor-chlorate
 2 Quarts Sinox
 200 Gallons sodium arsenite
 142 Quarts 2,4-D
 60 Pounds Simazine
 8 Quarts Trysben
 2 Quarts VPM
 150 Gallons weedoil
 5 Quarts X-77 spreader

INSECT AND FUNGUS CONTROL:

70 Pounds BHC
 39 Pints Chlordane
 61 Pounds Chlordane dust
 18 Pounds COCS
 8 Ounces Cyanogas
 54 Pounds DDT
 23 Gallons DDT (Liquid)
 28 Pounds Diazinon
 11 Pints Dieldrin
 5 Pounds Dieldrin dust
 846 Pounds Dieldrin-treated bran
 1 Quart Endrin
 20 Pounds Lead Arsenate
 11 Pounds Malathion
 10 Gallons Malathion
 2 CC's Methyl Bromide
 2 Pounds PDB
 1 Quart Pyrethium
 64 Gallons summer oil
 11 Pints Tigress insecticide
 11 Cans Raid insecticide
 10 Ounces X-77 spreader

1962—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 (\$)
Spider Mites	Beans, clover & orchards	\$ 6,800,000	\$402,000	\$74,000	7%	\$476,000
Lygus Bugs	Clover, Alfalfa & Safflower	5,030,000	365,000	88,000	9%	453,000
Grain Storage Insects	Stored Grain	15,262,000	210,000	19,000	1½%	229,000
Tadpole Shrimp & Scavenger Beetle	Rice	10,766,000	126,000	35,000	1½%	161,000
Armyworms	Clover, Sorghum & Pasture	4,322,000	79,000	36,000	2½%	108,000
Thrips	Safflower	1,050,000	84,000	2,000	8%	84,000
Spotted Alfalfa Aphid	Alfalfa	1,820,000	73,000	2,000	4%	73,000
Navel Orange Worm	Almonds & Walnuts	937,000	26,000	30,000	6%	56,000
Leaf Miner	Rice	10,766,000	29,000	25,000	½%	54,000
Corn Earworm ...	Tomatoes	470,000	7,000	7,000	3%	14,000

REPORT ON WEIGHTS AND MEASURES WORK — 1962

The following equipment was tested and

	Sealed WITHOUT Correction	Sealed AFTER Correction	Out of Order
Abattoir Scales	3	1	0
Animal Scales (single animal)	0	0	1
Computing Scales	83	12	5
Counter Scales	39	3	0
Dormant Scales	8	9	2
Hopper Scales	3	1	0
Livestock Scales	44	17	22
Meat Beams & Steelyards	5	3	0
Person Weighers	2	1	0
Platform Scales	77	29	7
Prescription Scales	0	3	0
Railway Track Scales	2	0	0
Spring Scales	16	2	0
Tank Scales	0	1	0
Vehicle Scales	28	15	7
Weights, Commercial	260	4	0
Farm Holding Tanks	5	18	9
Liquid Measures	1	3	0
Retail Pumps & Meters	116	15	10
Vehicles Measured For Capacity	1	0	0
Totals	693	137	66

Packages or containers inspected: 633.

Lots passed: 12. Lots rejected: 1. Packages passed: 593.

Packages rejected: 4; packages short - 30, packages overweight - 6, released after correction.

Number of complaints received: 4. Number of investigations: 4.

Number of hearings held: 1.

Number of containers Off-Sale (No content declaration): 149.

Number of container and pallet tares recommended: 1.

Number of violations "Advertising Provisions of Section 12024.5": 2.

Total number of establishments visited: 536.

Total number of certificates issued: 338.