

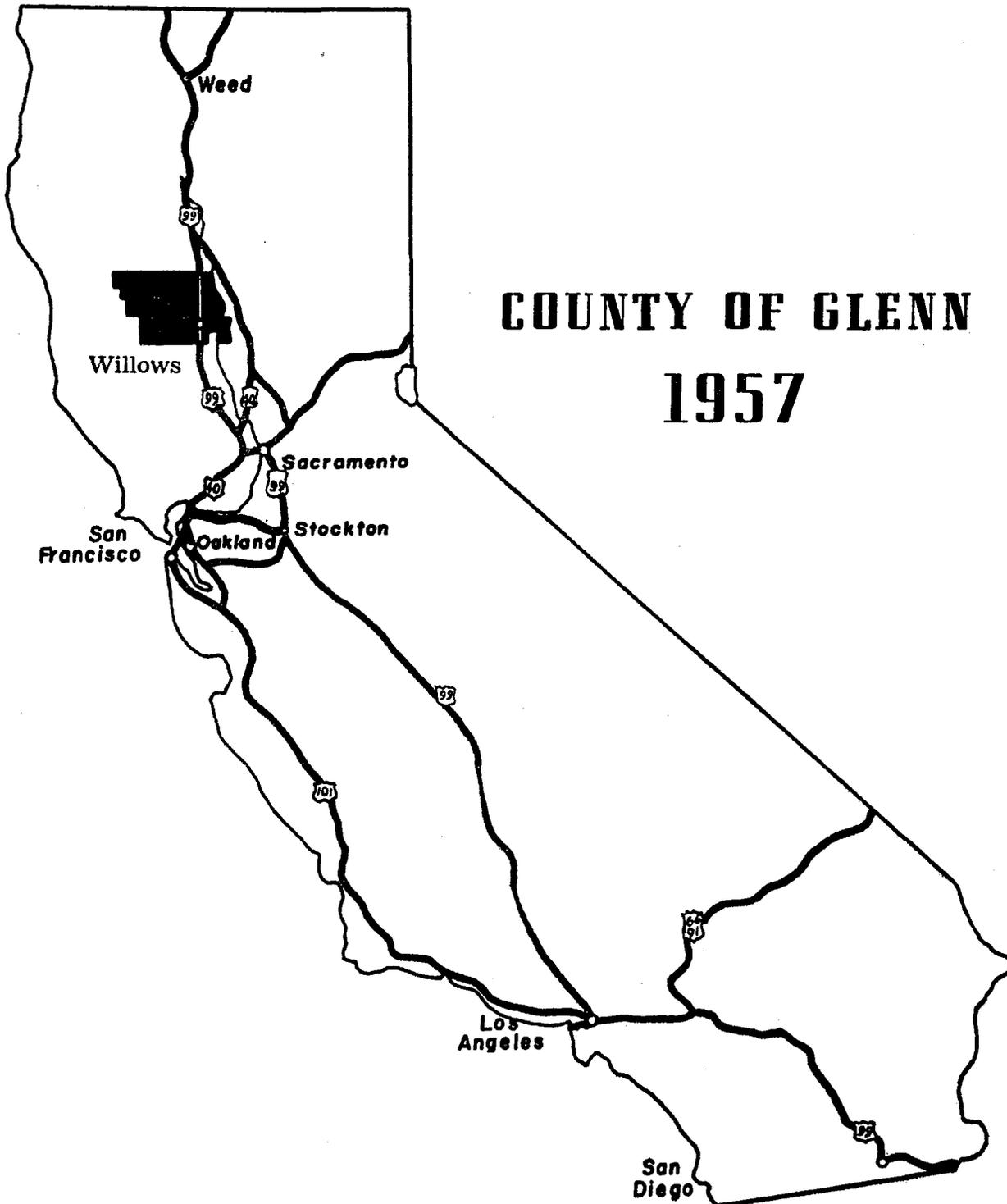
# ANNUAL REPORT

**P. V. HARRIGAN**

Agricultural Commissioner

and

Sealer of Weights and Measures



# GLENN COUNTY DEPARTMENT OF AGRICULTURE

Memorial Building, Willows, California

December 31, 1957

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

Telephones:  
Willows 240  
Orland UNDERhill 5-2264

W. C. Jacobsen, Director  
State Department of Agriculture,  
and  
Glenn County Board of Supervisors,

George E. (Nip) Roberts, District 4, Chairman

George S. Lewis, District 1

Marshall Lane, District 2 (deceased)

C. E. Polzin, District 2

George J. Otterson, District 3

W. L. Linville, District 5

Gentlemen:

Section 65.5 of the California Agricultural Code requires that the Agricultural Commissioner compile a report covering conditions, 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 twenty-first annual report published by this department. The members of the department have made every effort to make this report as accurate as possible by checking the figures with many sources of reliable information.

I wish to express my sincere appreciation to all those who have cooperated in helping to make this report possible.

Respectfully submitted,

*P. V. Harrigan*

P. V. HARRIGAN

Agricultural Commissioner

# PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

## GLENN COUNTY, CALIFORNIA — 1957

FIELD CROPS	Acreage	Production	Values	Totals
Rice .....	33,474	1,707,174 cwt.	\$ 7,938,400	
Barley .....	67,000	1,742,000 cwt.	3,222,700	
Wheat .....	2,275	45,500 cwt.	159,250	
Oats .....	1,000	10,000 cwt.	24,000	
Milo .....	12,000	360,000 cwt.	846,000	
Safflower .....	3,722	44,670 cwt.	167,500	
Beans .....	1,655	456,700 cwt.	27,500	
Field Corn .....	5,674	171,000 cwt.	460,000	
Sugar Beets .....	837	17,577 tons	193,500	\$ 13,038,850
<b>FORAGE</b>				
Silage Corn .....	2,000	34,000 tons	204,000	
Alfalfa Hay .....	14,500	72,500 tons	1,667,500	
Clover Hay .....	8,500	10,000 tons	160,000	
Mixed Hay .....	12,000	25,000 tons	450,000	\$2,481,500
<b>PASTURE</b>				
Irrigated Pasture..	61,000		2,700,000	
Range .....	250,000		315,000	
Stubble .....	100,000		125,000	3,140,000
<b>SEED CROPS</b>				
Ladino Clover.....	4,000	1,167,000 lbs.	304,000	
Other Clover .....	450	180,000 lbs.	54,000	
Sudan .....	1,500	1,950,000 lbs.	78,000	
Alfalfa .....	170	85,000 lbs.	26,000	
Other Seed .....		880,000 lbs.	72,000	534,000
<b>ORCHARD CROPS</b>				
	Non-Bearing	Bearing		
Almonds .....	686	3,728	3,343,000 lbs.	1,170,000
Apricots .....	1	161	880,000 lbs.	49,000
Olives .....	147	809	1,245,000 lbs.	216,000
Oranges .....	11	652	176,000 ctns.	572,000
Peaches .....	8	84	469,280 lbs.	11,000
Prunes .....	376	1,357	8,250,000 lbs.	1,080,000
Pears .....	130	129	4,039,784 lbs.	384,000
Walnuts .....	335	769	594,200 lbs.	143,000
Walnuts, Black			100,000 lbs.	4,000
Almond Hulls & Fruit Pits			2,500 tons	68,750
				3,697,750
<b>POULTRY</b>				
	Resources			
Poultry, live .....		24,000 lbs.	5,000	
Eggs .....		151,000 dozen	60,100	
Turkeys, live .....		78,300 head	313,000	
Turkey Hatching Eggs .....		833,636 each	225,000	
Poultry & Turkey Breeding Stock....	20,000 hd.			603,100

# PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

(Continued)

LIVESTOCK	Resources	Production	Values	Totals
Dairy Cattle .....	21,100 hd.			
Market Milk fat ..		1,160,000 lbs.	\$1,346,000	
Mfg. Milk fat .....		3,910,000 lbs.	3,441,000	
Beef Cattle .....	19,000 hd.			
Fat Cattle .....		16,500 hd.	3,800,000	
Cattle .....		17,000 hd.	2,550,000	
Calves .....		13,000 hd.	96,000	
By-Products .....			50,000	
Sheep .....	135,000 hd.	35,000 hd.	245,000	
Lambs .....		135,000 hd.	2,860,000	
Wool .....		1,278,000 lbs.	632,000	
Pelts .....		4,000 ea.	11,000	
Hogs .....	6,500 hd.	18,000 hd.	612,000	\$15,643,000
<b>APICULTURE</b>				
Bees, registered .....	8,354 col.			
Package Bees .....		52,850 lbs.	53,000	
Queens .....		26,500 ea.	29,000	
Honey .....		582,381 lbs.	70,000	
Beeswax .....		8,223 lbs.	5,000	
Pollination .....			18,000	175,000
<b>GOVERNMENT PAYMENTS</b>				
Agriculture Conservation .....			23,000	
Wool Payment .....			297,000	
Rice Acreage Reserve .....			437,000	
Sugar Beet, Processor & Import Tax Payment .....			28,000	785,000
<b>FOREST PRODUCTS</b>				
Logs shipped .....		41,000,000 bd. ft.	820,000	
Milled Lumber shipped .....		28,000,000 bd. ft.	1,680,000	
Christmas Trees .....		600	1,800	2,501,800
Land Lease Rental to Gas Industries .....				400,000
<b>GRAND TOTAL AGRICULTURAL INCOME — 1957 .....</b>			<b>\$43,000,000</b>	
Estimated Income For Natural Gas .....			\$ 3,000,000	

## AGRICULTURAL INCOME TOTALS FOR 21 YEARS

Year	Amount	Year	Amount
1937 .....	\$ 6,450,700	1949 .....	\$ 24,820,000
1938 .....	5,670,300	1950 .....	30,637,000
1939 .....	7,698,200	1951 .....	39,005,000
1940 .....	8,206,700	1952 .....	42,473,700
1941 .....	10,587,500	1953 .....	33,267,000
1942 .....	11,973,200	1954 .....	31,364,000
1943 .....	13,824,600	1955 .....	34,570,000
1944 .....	19,047,000	1956 .....	37,970,000
1945 .....	18,577,000	1957 .....	43,000,000
1946 .....	22,260,000		
1947 .....	27,935,000	21-Year Total .....	\$496,406,900
1948 .....	27,070,000		

# 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 21st place in Agricultural Crop Value

Land area .....	35th
Ladino clover seed .....	1st
Sheep and Lambs .....	1st
Packaged Bees .....	2nd
Rice .....	4th
Safflower .....	4th
Hogs .....	7th
Olives .....	9th
Permanent pasture (irrigated) .....	9th
Figs .....	9th
Almonds .....	10th
Prunes .....	11th
Barley .....	11th
Dairy stock .....	12th
Oranges .....	12th
Citrus .....	13th
Alfalfa .....	15th
Apricots .....	19th
Pears .....	20th
Wheat .....	20th
Dry Beans .....	22nd
Walnuts .....	22nd
Sugar Beets .....	23rd
Cattle, all .....	23rd
Peaches .....	24th
Commercial forest land .....	28th
<b>WILDLIFE:</b>	
Geese .....	1st
Ducks .....	2nd
Muskrats .....	2nd
Pheasants .....	2nd
Deer .....	32nd

The following are commodities produced in the county that grossed over a million dollars each during 1957:

- |                      |                       |
|----------------------|-----------------------|
| 1. Alfalfa hay       | 7. Orchard crops      |
| 2. Almonds           | 8. Lambs              |
| 3. Barley            | 9. Manufacturing milk |
| 4. Cattle            | 10. Market milk       |
| 5. Fat cattle        | 11. Milled lumber     |
| 6. Irrigated pasture | 12. Rice              |

## PETROLEUM INCOME

Natural gas — 2nd largest field in California

# United States Department of Agriculture Stabilization And Conservation Participation — 1957

## SUPPORT PRICES ALLOWED FOR COMMODITIES

(Which are under loan or purchase agreement)

Barley .....	\$ 1.03	bu.
Beans, Pinto .....	5.79	cwt.
Medium White .....	6.54	cwt.
Small White .....	6.92	cwt.
Red Kidney .....	8.10	cwt.
Pink .....	6.72	cwt.
Small Red .....	6.82	cwt.
Large Lima .....	9.67	cwt.
Baby Lima .....	4.92	cwt.
Yellow Corn .....	2.70	cwt.
Grain Sorghum .....	2.35	cwt.
Oats .....	2.37½	cwt.
Rice (20c premium for No. 1) .....	4.14	cwt.
Wheat .....	3.50	cwt.

## LOAN REDUCTION FOR NOXIOUS WEED SEEDS

Barley, Oats, Rye & Wheat .....	\$ .10	bu.
Flaxseed .....	.15	bu.
Grain Sorghums .....	.15	bu.

## COMMODITIES UNDER LOAN — 1957

Barley .....	542,493 bu.	\$573,249.69	
Beans .....	606 cwt.	2,890.02	
Yellow Corn .....	19,445 cwt.	28,878.11	
Milo .....	24,146 cwt.	56,685.00	\$ 661,702.82

## DIRECT PAYMENTS

Wool Incentive Payment .....	\$297,000.00	
Agricultural Conservation Payment .....	23,000.00	
Rice Acreage Reserve (Soil Bank) .....	437,000.00	
Sugar Beet Processor & Import Tax Payment .....	28,000.00	785,000.00

INDIRECT PURCHASE BENEFIT TO DAIRY INDUSTRY\* .....

500,000.00

TOTAL UNITED STATES PARTICIPATION (Agriculture) .....

\$1,946,702.82

\*The United States Department of Agriculture expended \$19,343,000 in California for the purchase of dairy products — milk, butter and cheese. The School Lunch Program is one of the agencies that benefit by this program. These purchases reflect a benefit of over \$20.00 per cow, or an indirect assistance to Glenn County dairymen, of \$500,000.00 for 1957.

BUDGET TO OPERATE GLENN COUNTY .....

\$5,087,996.00

### SOURCE OF INCOME:

Current County Taxes .....	\$1,541,112.00
Other Revenue .....	3,546,884.00

CURRENT COUNTY TAXES .....

26.7%

FEDERAL, STATE AND OTHER FUNDS .....

73.3%

## RESOURCES

Lakes .....	Stony Gorge Dam and Packer Lake	
County Parks .....		5
Forest Camp Grounds Improved .....		54
Visitors annually to National Forest areas .....		30,000
Forest Acreage .....		221,568
Elevation in Forest — Highest Point .....		7,450
Trout Holding Ponds — Plaskett Meadows — Elevation .....		6,500
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:		
Columbia Black Tail Deer .....		10,000
California Black Bear .....		350
Wild Ducks .....		2,000,000
Wild Geese .....		250,000
Ring-necked Pheasants .....		80,000
California Valley and Mountain Quail .....		40,000
Mourning Doves .....		75,000
Band-tail Pigeons .....		10,000
Beaver .....		200
Otter .....		75
Estimated number of predators:		
Mountain Lions .....		50
Coyotes .....		4,000
Bobcats .....		2,000
Badgers .....		150
Raccoons .....		17,000
Skunks .....		9,000
Mink .....		500
Grey Fox .....		6,500
Red Fox .....		200
Wild Game reported killed by Licensed Hunters and Trappers:		
Deer .....		812
Mountain Lions .....		21
Coyotes .....		131
Muskrats, trapped .....		9,000
Beaver .....		48
Raccoon .....		105
Otter, River .....		2
Bobcat .....		5
Possum .....		3
Mink .....		5
Skunk — Spotted .....		33
Skunk — Striped .....		51

## 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 on Stony Creek; 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 Company — 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 .....	37,000
TOTAL ACREAGE UNDER IRRIGATION .....	159,515

Other land suitable for irrigation:

Orland-Artois Irrigation District .....	18,000
Kanawha Irrigation District .....	2,800
West of present irrigation systems .....	71,000
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 .....

156,045

TOTAL IRRIGABLE LAND IN GLENN COUNTY .....

333,000

Total Acreage in Glenn County .....	880,000
Acres in Farm Land .....	319,000
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.

Sawmills in Operation .....	1
Natural Gas Wells in Production .....	55
Number of Farms in County .....	1,625

## PRODUCTION AND VALUE

Year	Rice Cwt.	Rice Value	Barley Cwt.	Barley Value	Ladino Seed Pounds	Ladino Seed Value
1937	382,000	\$ 477,000	424,000	\$ 572,000	-	\$ -
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	1,707,174	7,938,400	1,742,000	3,222,700	1,167,000	304,000
<b>TOTALS</b>	<b>16,753,174</b>	<b>\$75,990,400</b>	<b>10,843,500</b>	<b>\$27,311,700</b>	<b>24,883,000</b>	<b>\$20,653,000</b>

Year	Prunes Pounds	Prunes Value	Olives Pounds	Olives Value	Oranges Boxes	Oranges Value
1937	3,187,000	\$ 63,000	1,743,000	\$ 35,000	46,000	\$ 43,000
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
<b>TOTALS</b>	<b>82,065,000</b>	<b>\$8,431,500</b>	<b>44,488,000</b>	<b>\$4,876,500</b>	<b>1,444,000</b>	<b>\$5,160,000</b>

Year	Hogs Head	Hogs Value	Lambs & Sheep Marketed Head	Wool Marketed Pounds	Sheep & Wool Value	Turkeys Pounds
1937	44,200	\$ 707,000	72,000	1,319,000	\$ 959,000	1,671,000
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
<b>TOTALS</b>	<b>409,700</b>	<b>\$13,978,500</b>	<b>1,994,200</b>	<b>17,979,000</b>	<b>\$42,831,500</b>	<b>18,502,400</b>

# OF PRINCIPAL COMMODITIES

	Other Field & Seed Crops Cwt.	Other Field & Seed Crops Value	Almonds Pounds	Almonds Value	Walnuts Pounds	Walnuts Value
	166,000	\$ 225,000	2,046,000	\$ 327,000	253,000	\$ 25,000
	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
	3,095,000	1,230,000	2,125,000	1,170,000	594,200	143,000
	7,300,000	\$11,842,000	37,662,000	\$11,447,000	12,265,200	\$2,025,000

	Other Fruit Fresh & Dried Pounds	Other Fruit Fresh & Dried Value	Butterfat Pounds	Butterfat Value	Cattle & Calves Marketed Head	Cattle & Calves Value
	5,313,000	\$ 168,000	2,237,000	\$ 783,000	4,000	\$ 198,000
	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	4,802,000	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
	5,389,064	444,000	5,510,000	4,787,000	46,500	6,446,000
	91,659,564	\$5,349,000	58,483,500	\$53,399,000	518,000	\$60,061,000

Turkey Eggs Each	Turkeys & Eggs Value	Pounds Packaged Bees	Honey Tons	Bees & Honey Value	Lumber & Logs Bd. Feet	Lumber & Logs Value
360,000	\$ 473,000	20,000	135	\$ 19,000		\$
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
833,636	538,000	52,850	210	157,000	69,000,000	2,501,800
6,052,636	\$8,219,000	465,550	4,149	\$1,586,000	272,700,000	\$15,706,800

# CHEMICALS USED BY THIS DEPARTMENT

## RODENT AND PEST ANIMAL CONTROL:

Strychnine-treated barley .....	5,696 pounds
Strychnine-treated milo .....	204 pounds
Strychnine-treated rice .....	22 pounds
Zinc-phosphide-treated barley .....	38 pounds
Warfarin-treated bait .....	452 pounds
Pival-treated bait .....	3,538 pounds
"1080" treated bait .....	55 pounds

## INSECT CONTROL:

Aldrin .....	5 quarts
Aldrin dust, 5% .....	300 pounds
Aramite .....	18 pounds
Bordeaux .....	40 pounds
BHC .....	693 pounds
Chlordane Dust, 5% .....	100 pounds
Chlordane, 72% .....	64 quarts
Coppers .....	16 pounds
Cyanogas .....	48 ounces
DDT, 50% .....	660 pounds
DDT, 75% .....	156 quarts
Dieldrin, 1.7% .....	69 quarts
Dieldrin-treated bran .....	9,553 pounds
Kil-Moe .....	8 pints
Kolo-Fog .....	18 pounds
Lead Arsenate (basic) .....	139 pounds
Malathion dust .....	10 pounds
Malathion .....	116 quarts
Methyl Bromide Gas .....	506 c. c.
Methyl Bromide .....	28 pounds
Ortho Mite, 15% .....	8 pounds
Sodium Arsenate .....	5 pounds
Summer spray oil .....	258 gallons
Ziran (Zinc Carbonate) .....	9 pounds
Spreader .....	200 pounds

## WEED CONTROL:

Amino Triazole .....	24 pounds
Boraxo .....	150 pounds
Chlorea .....	300 pounds
Contact weed killers .....	2 quarts
D-B Granular .....	275 pounds
Dalapon .....	200 pounds
Diesel .....	2,830 gallons
Dow General weed killer .....	4 gallons
Dowpon .....	100 pounds
Esteron 10-10 .....	58 gallons
Kerosene .....	116 gallons
Niatox .....	50 pounds
Radapon .....	200 pounds
Sinox .....	15 gallons
Sulfur .....	195 pounds
Sodium Chlorate .....	300 pounds
Spreader D-40 .....	85 pounds
2,4-D .....	308 gallons
Ureabor .....	380 pounds
Weedall (Shell) .....	905 gallons
Weed Killer, Shell 20 .....	710 gallons
White gasoline .....	100 gallons
X-77 Spreader .....	324 ounces
Spray material applied to shade trees .....	12,000 gallons
Spray material applied for weed control .....	45,000 gallons

**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	
<b>FIELD CROPS:</b>					
Rice .....	20,535	6,776			27,311
Yellow Corn .....	490	651	219		1,360
Barley .....	15,127		8,411		23,538
Milo .....		614	1,750		2,364
Alfalfa .....		5,054		895	5,949
Ladino .....	2,473	3,357	2,779	375	8,984
Other Clovers .....	100	545		121	766
Sudan .....		481			481
Beans & Peas .....		1,224			1,224
Other Grains .....	160	1,542	91		1,793
<b>FRUITS &amp; NUTS:</b>					
Almonds .....				857	857
Walnuts .....		358		537	895
Peaches, Prunes & Apricots .....		137		527	664
Oranges .....				45	45
Olives .....		10			10
<b>MISCELLANEOUS:</b>					
Weeds & Summer Fallow ..	200		2,724		2,924
Pasture .....	105	437	681	35	1,258
Tomatoes, Cabbage		55			55
<b>TOTALS</b> .....	<b>39,190</b>	<b>21,241</b>	<b>16,655</b>	<b>3,392</b>	<b>80,478</b>

GRAIN TREATED: 508,259 Cwt.

410 Permits issued to use herbicides in weed control.

94 Permits issued to use injurious materials in insect control.

New legislation requires that a permit must be obtained from the Agricultural Commissioner's office before certain pesticides can be purchased. (Section 1080 and 1080.1 Agricultural Code.) The following is a list of materials for which a permit is necessary.

1. Pest control materials containing calcium arsenate, standard lead arsenate or copper acetoarsenite (Paris Green), in dust form.
2. Pest control materials containing tetraethyl pyrophosphate (TEPP).
3. Pest control materials containing parathion.
4. Pest control materials containing ethyl-para-nitrophenyl thionebenzene phosphate (EPN).
5. Pest control materials containing octamethyl pyrophosphoramidate (OMPA).
6. Pest control materials containing 0-0-diethyl-0-2 (ethylmercapto)-ethyl thio-phosphate (systox) (demeton).
7. 2,4-dichlorophenoxyacetic acid (2,4-D).
8. 2,4,5-trichlorophenoxyacetic acid (2,4,5-T).
9. 2-methyl-4-chlorophenoxyacetic acid (MCP).
10. 2,4-dichlorophenoxypropionic acid (2,4-DP).
11. 2,4,5-trichlorophenoxypropionic acid (Silvex).
12. Phosdrin (alpha-2-carbomethoxy-1-methylvinyl dimethyl).

# ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

79 YEARS — 1878-1957

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

## PLANT QUARANTINE

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### INTERSTATE SHIPMENTS: (incoming)

Number of bulk shipments passed .....	9
Number of units passed .....	150
Number of non-bulk shipments passed .....	722
Number of plants passed .....	20,783
Number of non-bulk shipments rejected .....	1
Number of plants rejected .....	2
Number of railroad cars inspected, grain .....	235
Number of railroad cars passed .....	216
Number of railroad cars held in quarantine .....	19

### EXPORT CERTIFICATION: (interstate and foreign, outgoing)

Number of certificates issued .....	59
Number of containers .....	8,347
Number of pounds .....	775,955

### INTRASTATE SHIPMENTS: (incoming)

Number of non-bulk shipments passed .....	314
Number of plants passed .....	53,680
Number of non-bulk shipments rejected .....	10
Number of plants rejected .....	110

### EXPORT CERTIFICATION: (intrastate, outgoing)

Number of bulk shipments released .....	7
Number of railroad cars released .....	54

## APIARY INSPECTION

	Apiaries	Colonies
Registered during 1957 .....	243	8,350
Entering County .....	69	3,065
Leaving County .....	95	4,014
Moving within the County .....	96	3,125
Inspected during 1957 .....	60	2,128
Infected with American Foulbrood .....	10	30
Burned for American Foulbrood control .....	10	30

# WEIGHTS AND MEASURES REPORT — 1957

TESTED AND SEALED WITHOUT CORRECTION: TOTAL — 1,164

- 83 Counter scales
- 19 Spring scales
- 45 Computing scales
- 87 Platform & Dormant scales
- 11 Hopper scales
- 39 Livestock scales
- 43 Vehicle scales
- 6 Meat Beams and Steelyards
- 240 Weights
- 2 Vehicle tank compartments gauged
- 204 Retail pumps and meters
- 76 Grease meters
- 2 Linear measures
- 187 Liquid capacity measures
- 119 Lubricating oil bottles tested for capacity
- 3 Farm holding tanks

TESTED AND SEALED AFTER CORRECTION: TOTAL — 109

- 7 Counter scales
- 7 Computing scales
- 20 Platform & Dormant scales
- 4 Hopper scales
- 7 Livestock scales
- 9 Vehicle scales
- 1 Meat Beam & Steelyard
- 6 Weights
- 3 Vehicle tank meters
- 45 Retail pumps and meters

TESTED AND FOUND TO BE OUT OF ORDER: TOTAL — 59

- 4 Counter scales
- 2 Spring scales
- 9 Computing scales
- 14 Platform & Dormant scales
- 2 Livestock scales
- 4 Vehicle scales
- 4 Meat Beams and Steelyards
- 1 Weight
- 11 Retail pumps and meters
- 8 Grease meters

EQUIPMENT CONDEMNED AND CONFISCATED: TOTAL — 4

- 4 Weights

Signs Inspected: 660. (625 found correct, 35 were corrected).

Establishments visited during 1957: 338

Certificates of inspection issued: 298

Packages or Containers Inspected: 2,151.

Light — 25

Correct — 2005

Heavy — 121

# Functions of the Glenn County Department of Agriculture

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## PLANT QUARANTINE INSPECTION:

Inspecting shipments at destination to prevent entry of weed seeds, plant diseases and insects or animals injurious to agriculture, and to determine compliance with state quarantine laws.

## STANDARDIZATION:

The inspection of fruits, nuts, vegetables, honey, eggs and poultry-meat. Inspection of commodities at packing houses, farms, wholesale and retail markets to enforce requirements established for quality, pack and labeling.

## SEED INSPECTION:

Inspecting establishments selling agricultural seeds; to enforce seed labeling and purity requirements.

## SEED CERTIFICATION:

Inspecting harvesting equipment, seed cleaning mills; sampling and labeling of seed eligible for certification.

## ORCHARD & FIELD INSPECTION:

To carry on regular inspections of field and orchard crops for pest detection — plant disease, insect pests and weed pests.

## INSECT CONTROL:

To conduct regular inspections of grain storage locations and orchards; to place and service insect traps in checking for new insects.

## RODENT CONTROL:

Inspecting properties for field rodents and other animal pests, and where necessary distributing bait for control purposes.

## PEST CONTROL:

Registering all Pest Control Operators, issuing permits to apply dangerous materials for weed control and insect control, and enforcing certain safety regulations.

## WEED CONTROL:

Carry on control and eradication measures against all primary noxious weed locations in the county, to carry on limited control against certain secondary noxious weeds.

## PLANT DISEASE:

To carry on control or eradication programs for certain Bacterial, Fungus and Virus Diseases.

## APIARY INSPECTION:

Inspecting the 8400 registered colonies of bees and requiring eradication of American Foulbrood disease in all apiaries, and maintaining a register of all bee colonies.

## NURSERY:

Make regular inspections of all nurseries and nursery stock to prevent spread of insects and other pests.

## STATISTICS:

Prepare a weekly report on weather and crop conditions for the State Crop Reporting Service. Compile monthly and annual reports to the Board of Supervisors and State Department of Agriculture, and such other reports as required.

## COOPERATION:

Cooperating with the United States Department of Agriculture, State Department of Agriculture, University of California Extension Service, farm groups, and other public and private agencies.

## WEIGHTS AND MEASURES:

Inspecting and sealing of all service station gasoline pumps and meters, tank trucks, oil measures, large capacity scales, milk tanks, retail scales in grocery stores, and all other weights and measure devices in the county.

## COMMENTS

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The 1957 farm income in Glenn County of \$43,000,000 was the highest ever recorded. Crop yields were above average and the gross income was the highest on record. An ample supply of rainfall when it was most needed gave crops a big boost and high yields were the result. The increased prices for cattle, lambs and hogs, coupled with fairly stable prices for other farm commodities, along with some expansion in the dairy industry, were all important factors in making the grand total possible.

Ladino Clover seed, which has been a top money crop for many years, fell far short this year because of the large carryover of old seed and declining prices. However, this loss has been more than offset by the increase in production of other crops.

In addition to the farm income, many farmers are benefiting from land rentals and royalties from California's second-largest gas field which is located in Glenn County.

During the year, 2,094 properties were inspected for Meyer Lemon trees, which had been proven to be a carrier for Quick Decline of Citrus; 252 trees were located and removed from 208 properties.

The department cooperated with the State Department of Agriculture in placing 172 insect traps in orchards throughout the county for detection of the Walnut Husk Fly, Mediterranean Fruit Fly, Melon Fly, Oriental Fruit Fly, Codling Moth and Mexican Fruit Fly.

The Khapra Beetle Detection program was continued with the inspection of 272 farm storage locations. Sixty-seven insect traps were placed in 18 warehouses and mills. No Khapra Beetles were found.

Two hundred thirty-nine carloads of milo were inspected, 19 carloads of this grain were found infested with noxious weed seeds and placed under quarantine.

Fifty-eight farm storage bins were inspected for primary noxious weed seeds and given a "clean grain certificate".

In addition to the above listed inspections, surveys were made for Grasshoppers, Yellow Scale, Olive Parlatoria Scale, Red Scale, Spotted Alfalfa Aphid, Armyworm, Codling Moth and Mites.

It has been estimated that California annually sustains a \$300,000,000 loss due to weeds. Each year farmers are exerting a greater interest in weed control. During the year, records available indicate that nearly \$225,000 was spent in Glenn County to control weeds. Individual farmers, pest control operators, irrigation districts and the County Department of Agriculture, all worked toward a common goal—first, to reduce the primary noxious weed infestations, and second, to better control many of the secondary noxious weeds.