

GLENN COUNTY DEPARTMENT OF AGRICULTURE
WILLOWS, CALIFORNIA

ANNUAL REPORT 1958

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

BOARD OF SUPERVISORS

George S. Lewis, Chairman

C. E. Polzin

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George J. Otterson

W. L. Linville

GLENN COUNTY DEPARTMENT OF AGRICULTURE

Memorial Building, Willows, California

December 31, 1958

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

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

W. C. Jacobsen, 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 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-second 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.

The 1958 Glenn County farm income climbed to a new high of \$45,448,000 and is an increase of \$2,448,000 over the previous high year of 1957.

Except for two crops, barley and almonds, the farm production was about on an equal basis with other years. The heavy rainfall early in the year caused severe damage to barley plantings and as a result the harvested crop was 1,100,000 sacks less than the previous year; and the weather was directly the cause of the 2,600,000 pound loss in the almond crop because the weather prevented spraying at the proper time and also interfered during the critical pollenization period. To offset these two low-income crop yields, six other crops — milo, safflower, beans, sugar beets, ladino clover and oranges — moved ahead to new highs in production and substantial price increases.

Other high points of interest in the farm income were the increase both in the number of livestock sold and the nearly 12% raise in value of the cattle sold.

Another forward move and of interest to the future income of the county was the planting of 81,928 young fruit and nut trees. These trees represent nearly 1,000 acres of new plantings. Almonds and prunes were by far the largest plantings, with pears, citrus and walnuts being about equal, and lesser acreages planted to olives and peaches.

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

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

WILDLIFE:

Geese	1st
Ducks	2nd
Pheasants	2nd
Muskrats	4th
Deer	32nd

The following are commodities produced in the county that grossed over a million dollars each during 1958:

- | | |
|-----------------------|-------------------|
| 1. Rice | 8. Alfalfa Hay |
| 2. Cattle | 9. Orchard crops |
| 3. Fat Cattle | 10. Prunes |
| 4. Manufacturing milk | 11. Market milk |
| 5. Lambs | 12. Barley |
| 6. Milled Lumber | 13. Milo |
| 7. Irrigated Pasture | 14. Ladino Clover |

PETROLEUM INCOME

Natural gas — 2nd largest field in California

PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

GLENN COUNTY, CALIFORNIA — 1958

FIELD CROPS	Acreage	Production	Values	Totals
Rice	34,659	1,628,973 cwt.	\$6,744,000	
Barley	67,000	653,250 cwt.	1,450,200	
Wheat	3,623	90,550 cwt.	292,500	
Oats	1,000	11,000 cwt.	25,000	
Milo	13,450	470,750 cwt.	1,059,200	
Safflower	10,500	110,000 cwt.	412,500	
Beans	1,330	22,610 cwt.	158,300	
Field Corn	4,530	135,900 cwt.	290,800	
Sugar Beets	1,112	18,901 tons	245,700	\$10,678,200
FORAGE				
Silage Corn	1,800	30,600 tons	183,600	
Alfalfa Hay	17,000	85,000 tons	1,870,000	
Clover Hay	10,000	15,000 tons	210,000	
Mixed Hay	12,000	30,000 tons	540,000	2,803,600
PASTURE				
Irrigated Pasture	61,000		2,440,000	
Range	250,000		315,000	
Stubble	100,000		200,000	2,955,000
SEED CROPS				
Ladino Clover	6,816	2,044,800 lbs.	1,022,400	
Other Clover	620	127,000 lbs.	42,600	
Sudan	440	792,000 lbs.	63,400	
Alfalfa	540	162,000 lbs.	32,400	
Trefoil & Mixture	350	72,500 lbs.	42,500	
Other Seed		600,000 lbs.	42,000	1,245,300
ORCHARD CROPS				
	Non-Bearing	Bearing		
Almonds	686	3,742	668,000 lbs.	258,500
Apricots	1	161	870,000 lbs.	69,000
Olives	147	809	1,240,000 lbs.	72,000
Oranges	11	652	240,000 ctns.	840,000
Peaches	8	84	460,300 lbs.	14,100
Prunes	376	1,357	8,500,000 lbs.	1,572,500
Pears	130	129	4,800,000 lbs.	401,000
Walnuts	335	769	1,384,000 lbs.	207,600
Walnuts, Black			108,000 lbs.	4,000
Almond Hulls & Fruit Pits			1,200 tons	33,000
				3,471,700
POULTRY				
Poultry, live		28,000 lbs.	5,600	
Eggs		143,453 doz.	57,400	
Turkeys, live		1,374,240 lbs.	329,800	
Turkey Hatching Eggs		850,000 each	221,000	613,800

PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

(Continued)

LIVESTOCK	Production	Values	Totals
Dairy Cattle			
Market Milk	1,217,000 lbs.	\$1,509,000	
Mfg. Milk	3,808,000 lbs.	3,123,000	
Beef Cattle			
Fat Cattle	23,500 hd.	6,039,000	
Cattle	22,000 hd.	3,696,000	
Calves	14,500 hd.	261,000	
By-Products		50,000	
Sheep	37,000 hd.	246,000	
Lambs	137,000 hd.	2,865,000	
Wool	1,278,000 lbs.	716,000	
Pelts	4,000 ea.	11,000	
Hogs	18,184 hd.	612,000	\$19,128,000
APICULTURE			
Bees, Registered — 8,129 Col.			
Packaged Bees	60,293 lbs.	112,800	
Queens	25,100 ea.	31,400	
Honey	666,025 lbs.	60,000	
Beeswax	12,274 lbs.	5,600	
Pollination		21,300	231,100
GOVERNMENT PAYMENTS			
Agriculture Conservation		60,700	
Wool Payment		95,100	
Rice Acreage Reserve		226,700	
Sugar Beet, Processor & Import Tax Payment		23,800	406,300
FOREST PRODUCTS			
Logs shipped	36,500,000 bd. ft.	1,065,000	
Milled Lumber shipped	35,000,000 bd. ft.	2,450,000	3,515,000
Land Lease Rental to Gas Industries		400,000	400,000
GRAND TOTAL AGRICULTURAL INCOME — 1958			\$45,448,000
Estimated Income For Natural Gas			\$ 3,000,000

AGRICULTURAL INCOME TOTALS FOR 22 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	1958	45,448,000
1947	27,935,000		
1948	27,070,000	22-Year Total	\$541,854,900

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	40,600
TOTAL ACREAGE UNDER IRRIGATION	164,115

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	176,845
TOTAL IRRIGABLE LAND IN GLENN COUNTY	340,960

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	65
Number of Farms in County	1,425
Population of Glenn County	16,790

RESOURCES

Lakes	Plaskett Meadows, Stony Gorge Dam and Packer Lake	
County Parks		5
Forest Camp Grounds Improved (Units)		65
Visitations annually to National Forest areas		40,000
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:

Columbia Black Tail Deer	12,000
California Black Bear	200
Wild Ducks	1,350,000
Wild Geese	200,000
Ring-neck Pheasants	60,000
California Valley and Mountain Quail	40,000
Mourning Doves	70,000
Band-tail Pigeons	10,000
Beaver	250
Otter	75

Estimated number of predators:

Mountain Lions	30
Coyotes	3,000
Bobcats	2,000
Badgers	200
Raccoons	15,000
Skunks	10,000
Mink	500
Grey Fox	6,000
Red Fox	200

Wild Game reported killed by Licensed Hunters and Trappers:

Deer	564
Mountain Lions	7
Coyotes	139
Muskrats, trapped	6,000
Beaver	31
Raccoon	84
Bobcat	2
Possum	9
Skunk — Spotted	14
Skunk — Striped	51
State licensed trappers in Glenn County	18

PRODUCTION AND VALUE

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
TOTALS	18,000,200	\$82,257,400	11,072,500	\$28,189,900	26,927,800	\$21,675,400

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
TOTALS	87,378,000	\$9,941,000	43,985,000	\$4,913,500	1,638,000	\$5,957,000

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
TOTALS	383,700	\$13,883,500	2,096,200	17,960,000	\$45,699,500	18,205,600

OF PRINCIPAL COMMODITIES

no	Other Field & Seed Crops Cwt.	Other Field & Seed Crops Value	Almonds Pounds	Almonds Value	Walnuts Pounds	Walnuts Value
0	118,000	\$ 137,000	2,016,000	\$ 302,000	1,203,000	\$ 63,000
0	97,000	309,000	1,900,000	741,000	542,000	90,000
0	118,000	300,000	2,000,000	744,000	492,000	97,000
0	127,000	427,000	2,000,000	680,000	587,000	91,000
0	129,000	554,000	1,250,000	286,000	550,000	85,000
0	193,000	501,000	3,000,000	650,000	1,237,000	159,000
0	91,000	407,000	3,500,000	1,085,000	929,000	141,000
0	66,000	361,000	3,500,000	1,050,000	1,166,000	212,000
0	112,000	578,000	3,750,000	1,025,000	1,085,000	199,000
0	223,000	895,000	3,300,000	780,000	920,000	155,000
0	268,000	1,205,000	2,225,000	587,000	875,000	123,000
0	502,000	2,842,000	1,150,000	460,000	800,000	214,000
0	1,995,000	1,871,000	3,900,000	1,560,000	1,032,000	228,000
0	2,095,000	1,230,000	2,125,000	1,170,000	594,200	143,000
0	1,237,000	2,707,000	668,000	258,500	1,384,000	207,600
0	7,371,000	\$14,324,000	36,284,000	\$11,378,500	13,396,200	\$2,207,600

es	Other Fruit Fresh & Dried Pounds	Other Fruit Fresh & Dried Value	Butterfat Pounds	Butterfat Value	Cattle & Calves Marketed Head	Cattle & Calves Value
00	3,083,500	\$ 95,000	1,879,000	\$ 751,000	9,000	\$ 676,000
00	4,649,000	328,000	3,343,500	2,841,000	24,500	1,636,500
00	9,763,000	839,000	2,973,000	2,902,000	23,500	1,695,000
00	6,072,000	390,000	3,400,000	3,260,000	29,000	3,240,000
00	2,382,000	119,000	3,690,000	4,001,000	31,500	4,770,000
00	6,330,000	270,000	3,621,000	3,033,000	43,500	4,134,500
00	4,177,000	295,000	3,711,000	3,711,000	41,300	7,000,500
00	7,562,000	440,000	3,807,000	3,970,000	44,200	8,294,500
00	9,112,000	510,000	3,875,000	4,601,000	41,500	5,540,000
00	5,700,000	376,000	4,802,000	5,010,000	43,500	3,755,000
00	7,450,000	310,000	5,136,000	4,402,000	45,000	3,550,000
00	7,837,000	320,000	5,485,000	4,831,000	45,000	3,925,000
00	6,840,000	445,000	5,014,000	4,516,000	46,000	5,200,000
00	5,389,100	444,000	5,510,000	4,787,000	46,500	6,446,000
00	6,130,000	484,000	5,025,000	4,632,000	60,000	10,046,000
00	92,476,600	\$5,665,000	61,271,500	\$57,248,000	574,000	\$69,909,000

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
6,542,600	\$8,297,000	505,850	4,347	\$1,771,200	344,200,000	\$19,221,800

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

80 YEARS — 1878-1958

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	1957-1958.....	32.93
1904-1905.....	24.55	1931-1932.....	15.01		

United States Department of Agriculture Stabilization And Conservation Participation — 1958

SUPPORT PRICES ALLOWED FOR COMMODITIES (which are under loan or purchase agreement)

Barley	\$ 2.14½ cwt.
Beans, Pinto	5.47 cwt.
Medium White	6.42 cwt.
Small White	6.80 cwt.
Red Kidney	7.98 cwt.
Pink	6.60 cwt.
Small Red	6.70 cwt.
Large Lima	9.55 cwt.
Baby Lima	4.80 cwt.
Yellow Corn	2.14 cwt.
Grain Sorghum	2.22 cwt.
Oats	2.31 cwt.
Rice (20c premium for No. 1)	4.14 cwt.
Wheat	3.23 cwt.
Honey09½ lb.

LOAN REDUCTION FOR NOXIOUS WEED SEEDS

Barley, Oats, Rye & Wheat	\$.10 bu.
Flaxseed15 bu.
Grain Sorghums15 bu.

COMMODITIES UNDER LOAN — 1958

Beans	3,699 cwt.	\$25,153.00	
Honey	73,425 lbs.	6,975.00	\$ 32,128.00

DIRECT PAYMENTS

Wool Incentive Payment	\$ 95,100.00
Agricultural Conservation Payment	60,700.00
Rice Acreage Reserve (Soil Bank)	226,700.00
Sugar Beet Processor & Import Tax Payment	23,800.00
	\$ 406,300.00

INDIRECT PURCHASE BENEFIT TO DAIRY INDUSTRY* 500,000.00

TOTAL UNITED STATES PARTICIPATION (Agriculture) \$ 938,428.00

*Purchases by the United States Department of Agriculture of dairy products — milk, butter and cheese — in the amount of over \$19,000,000 in California during 1958 reflects an indirect benefit to Glenn County dairymen of approximately \$500,000 or equivalent to \$20 per cow. The school lunch program is one of the agencies that benefit by this program.

ASSESSED VALUATION \$45,349,040.00

BUDGET TO OPERATE GLENN COUNTY \$ 5,759,098.00

SOURCE OF INCOME:

Current County Taxes	\$ 1,891,432.00
Other Revenue	\$ 3,867,666.00
Current County Taxes	32.8%
Federal, State and Other Funds	67.2%

CHEMICALS AND POISONS USED BY THIS DEPARTMENT

RODENT AND PEST ANIMAL CONTROL:

Strychnine-treated barley	3,795 pounds
Strychnine-treated milo	186 pounds
Strychnine-treated rice	14 pounds
Strychnine-treated rolled wheat	82 pounds
Pival-treated bait	3,214 pounds
Warfarin-treated bait	2,592 pounds
"1080" treated bait	408 pounds

INSECT AND FUNGI CONTROL:

Aldrin "E"	25 pints
Aldrin dust, 5%	25 pounds
BHC	12 pounds
Bordeaux	44 pounds
Chlordane dust, 5%	140 pounds
Chlordane, 72%	11 gallons
Cyanogas	16 ounces
DDT, 50%	65 pounds
DDT, 25%	92 quarts
Dieldrin, 1.7%	58 quarts
Dieldrin dust 1.5%	60 pounds
Dieldrin-treated bran	3,457 pounds
Ethion	1 quart
Lead Arsenate	24 pounds
Malathion	68 quarts
Malathion dust	58 pounds
Malathion "E"	8 gallons
Methyl Bromide	20 pounds
Niatox	5 gallons
Orthocide Fungicide	8 pounds
Paradichlorobenzine	3 pounds
Summer spray oil	75 gallons
Zinc (Ziram)	4 pounds

WEED CONTROL:

Amino Triazole	20 pounds
Borax, soil sterilant	1,000 pounds
Chlorea	200 pounds
Contact weed killers	31 quarts
D-B Granular	50 pounds
Dowpon & Radapon	250 pounds
Diesel oil	3,029 gallons
H.C.G.	10 gallons
Kerosene	107 gallons
Polybor chlorate	50 pounds
Sinox	13 gallons
Sodium Chlorate	660 pounds
Spreaders	12 gallons
Spreader, Z-1	35 pounds
2,4-D	595 gallons
2,4-D dust	300 pounds
2,4,5-T	12 gallons
Ureabor	50 pounds
White gasoline	213 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	
FIELD CROPS:					
Rice	24,817	13,331			38,148
Yellow Corn	146	365			511
Barley	8,888		2,982		11,870
Milo	300	320	1,167		1,787
Alfalfa	40	3,193	66	66	3,365
Ladino	3,384	7,024	2,807	887	14,102
Beans & Peas		1,015			1,015
Beets		570			570
FRUITS & NUTS:					
Almonds		484		558	1,042
Walnuts		130		544	674
Peaches, Prunes & Apricots		226		674	900
Oranges				531	531
Pears		290			290
MISCELLANEOUS:					
Weeds & Summer Fallow ..	335		1,840		2,175
Pasture	760	320	245	80	1,405
Tomatoes, Cabbage		140			140
TOTALS	38,670	27,408	9,107	3,340	78,525

286 Permits issued to use herbicides in weed control.

50 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).

WEIGHTS AND MEASURES REPORT — 1958

The following equipment was tested and	Sealed WITHOUT Correction	Sealed AFTER Correction	Out of Order	Condemned and Confiscated
Counter scales	62	5	3	0
Spring scales	29	0	3	0
Computing scales	101	14	4	0
Platform and Dormant scales	74	12	9	0
Hopper scales	14	2	2	0
Livestock scales	44	9	5	0
Vehicle scales	43	12	10	0
Person weighers	0	1	1	0
Meat Beams and steelyards	7	1	2	0
Prescription scales	21	0	0	2
Weights	376	2	0	1
Vehicle tank meters	5	1	1	0
Bulk plant meters	1	0	0	0
Retail pumps and meters	103	13	3	0
Grease meters	30	0	9	0
Liquid capacity measures	68	0	2	0
Lubricating oil bottles tested for capacity	36	0	0	0
Farm holding tanks	4	11	2	0
TOTALS	1,018	83	56	3

Packages or containers inspected: 934.

Light — 37. Correct — 896. Heavy — 1.

Signs inspected: 407.

Correct — 401. Corrected — 6.

Brake fluid checked at 16 locations, all legal.

Establishments visited: 336.

Certificates issued: 276.

PLANT QUARANTINE

INTERSTATE SHIPMENTS: (incoming)

Number of non-bulk shipments passed	841
Number of plants passed	15,135
Number of non-bulk shipments rejected	2
Number of plants rejected	76
Number of railroad cars inspected, grain	59
Number of railroad cars passed	48
Number of railroad cars held in quarantine	11

EXPORT CERTIFICATION: (interstate and foreign, outgoing)

Number of certificates issued	59
Number of containers	6,730
Number of pounds	796,268

INTRASTATE SHIPMENTS: (incoming)

Number of bulk shipments passed	8
Number of bulk units (plants) passed	697,750
Number of non-bulk shipments passed	375
Number of plants passed	107,112
Number of non-bulk shipments rejected	12
Number of plants rejected	5,898

APIARY INSPECTION

	Apiaries	Colonies
Registered during 1958	189	8,129
Entering County	78	4,149
Leaving County	66	3,028
Moving within the County	77	2,811
Inspected during 1958	78	1,953
Infected with American Foulbrood	9	16
Burned for American Foulbrood control	9	16
Infected with European Foulbrood	1	1

THE AGRICULTURAL DEPARTMENT AT WORK

1958

PLANT QUARANTINE INSPECTION: To inspect shipments as reported when entering the county to prevent entry of weed seeds, plant diseases and insects or animals injurious to agriculture, and to determine compliance with state quarantine laws.

122,247 plants in 1,216 shipments were inspected
5,974 plants in 14 shipments were rejected.

STANDARDIZATION: To inspect fruits, nuts, vegetables, honey, eggs and poultry-meat at packing houses, farms, wholesale and retail markets; and to enforce requirements established for quality, pack and labeling.

372,411 packages and 378 tons of farm produce inspected.
1,589 dozen eggs candled and 115 dozen rejected.
2,912 packages of poultry-meat inspected and 1 lot rejected.

SEED INSPECTION AND SEED CERTIFICATION: Seed inspection work requires the inspection of establishments selling agricultural seeds, and to enforce seed labeling and purity requirements as set forth in the Agricultural Code. Seed certification work requires the inspection of all harvesting equipment, seed cleaning mills, and sampling and labeling of seed eligible for certification.

342 samples of seed were drawn for purity and germination tests.
115 harvesting equipment inspections were made.
103 seed cleaning mill inspections were made.
3,601,991 pounds of certified seed were sampled.
2,000 tons of grain were inspected and given clean grain certificates to allow shipment out of the county. This is a new law passed by the Legislature in 1958.

APIARY INSPECTION: To inspect the apiaries in the county and to eradicate American Foulbrood diseased colonies as found, and to maintain a register of all bees in the county.

8,129 colonies of bees in 189 apiaries are registered in the county.
1,953 colonies of bees in 78 apiaries were inspected for cleanliness.
16 colonies of bees in 9 apiaries were found to be infected with American Foulbrood and were burned.

PEST CONTROL: To register all qualified Pest Control Operators, issue permits for application of dangerous materials for weed and insect control, and to enforce certain safety regulations.

50 permits were issued for use of injurious materials for insect control.
286 permits were issued for use of injurious herbicides for weed control.
65,422 acres of crops were sprayed by pest control operators.
45,000 acres of crops were sprayed by owners.

WEED CONTROL: To carry on control and eradication program against all primary noxious weed locations in the county, and to carry on limited control against certain secondary noxious weeds.

231 locations of Hoary Cress were treated with 4,500 gallons of mixed sprays.
41 locations of Russian Knapweed were treated with 1,050 gallons of spray material.
42 locations of White Horse Nettle were sprayed with 1,000 gallons of mixed sprays.
37 locations of Klamath Weed were treated with 600 gallons of mixed sprays.
6 acres of Johnson Grass (strips) were treated with 4,200 gallons of mixed spray material.
1,478 miles of county roadsides and 238 miles of State Highway were sprayed with 97,950 gallons of mixed sprays for puncture vine control.
2,400 gallons of mixed spray materials and 2,060 pounds of dry soil sterilants were applied to test plots for weed control.

RODENT CONTROL: To inspect properties for field rodents and other pest animals, and to prepare bait materials for distribution for control purposes.

3,795 pounds of strychnine-treated barley were distributed for squirrel control.

5,806 pounds of mixed rat bait were distributed.

268 pounds of strychnine-treated grain were distributed for mice control.

232 pounds of various other baits were distributed.

NURSERY INSPECTION: To make regular inspections of all nurseries and nursery stock to prevent spread of insects, diseases and other pests.

5,400 fruit trees were rejected for root lesion nematode infestation.

PLANT DISEASE: To carry on control or eradication programs for certain bacterial, fungus and virus diseases.

971 properties were inspected for Quick Decline of citrus, and the Meyer Lemon trees within the boundaries of the commercial district were removed. The Meyer Lemon trees are known host plants for this disease.

INSECT AND OTHER PEST DETECTION IN FIELDS AND ORCHARDS: To conduct regular inspections of field and orchard crops and grain storage locations for pest detection, to place and service insect traps in checking for new insects. This survey work is done to determine the presence of pests injurious to agriculture and to be constantly on the alert for any new symptoms of disease or pests that might be found and be ready to abate the nuisance before it gains a foothold.

100 fruit-fly traps, 5 Japanese Beetle traps and 16 Cherry Fruit Fly traps were placed throughout the county, and were serviced each week during the summer months.

92 Khapra Beetle cloth traps were placed in grain storage warehouses.

3 mosquito traps were placed in the county to determine the kinds of mosquitoes here and to estimate the number.

457 specimens were sent to the State Department of Agriculture for identification.

2,496 man hours were spent in the above work.

In addition to the above listed inspections, surveys were made for grasshoppers, yellow scale, olive parlatoria scale, red scale, spotted alfalfa aphid, armyworms, codling moth, corn earworm, Hoja blanca of rice, painted lady butterfly and mites.

WEIGHTS AND MEASURES: To test and seal all retail scales in stores, large capacity scales, milk tanks, service station gasoline pumps and meters, tank trucks, oil measures, and all other weights and measuring devices in the county.

1,018 pieces of equipment were sealed without correction.

83 pieces of equipment were sealed after correction.

56 pieces of equipment were tested and found to be out of order.

3 pieces of equipment were condemned and confiscated.

Other work under weights and measures is itemized on page 14 of this report.

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 the State Department of Agriculture; and to work such other reports as required. These reports are of particular interest on a statewide comparison basis in that they supply a knowledge of general agriculture and crop conditions at the local level.

COOPERATION: To cooperate with the United States Department of Agriculture, State Department of Agriculture, University of California Extension Service, farm groups, and other public and private agencies in the interests of agriculture.