

ANNUAL REPORT



Agricultural Commissioner

COUNTY OF GLENN

1954



P. V. HARRIGAN

GLENN COUNTY DEPARTMENT OF AGRICULTURE
WILLOWS, CALIFORNIA

ANNUAL REPORT

For the
Year Ending December 31, 1954

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

BOARD OF SUPERVISORS

W. L. Linville, Chairman

Marshall Lane

George L. Lewis

George J. Otterson

Geo. E. (Nip) Roberts

COUNTY OF GLENN
DEPARTMENT OF AGRICULTURE

Memorial Building, Willows

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

Telephones:
Willows 240
Orland UNderhill 5-2264

TO THE STATE DIRECTOR OF AGRICULTURE,
and
THE HONORABLE BOARD OF SUPERVISORS:

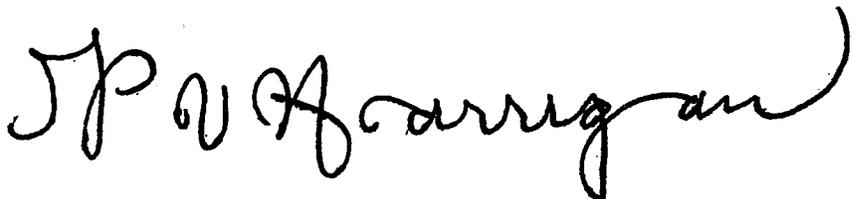
Section 65.5 of the California Agricultural Code requires that the Agricultural Commissioner compile a report covering conditions, acreage, production, and value of the agricultural products of his county; and, Section 65 requires that the Commissioner keep a record of his official acts and make an annual report to the Director on the conditions of the Agricultural interests in his county. This is the eighteenth annual report published by this department.

Values indicated in this report are based on fairly accurate, average selling prices and do not represent net returns to the farmer. 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.

Copies of this report are sent to a number of federal, state and county agencies, and to many organizations and individuals.

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

Respectfully submitted,



P. V. HARRIGAN
Agricultural Commissioner

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PERSONNEL

P. V. Harrigan	Agricultural Commissioner
H. I. Tillotson, Jr.	Deputy Sealer and Inspector
Elroy Eberwein	Deputy Sealer and Seed Inspector
F. W. Irland	Pest Control and Pest Control Operators
Charles Cordill	Plant Quarantine and Standardization
Noble Love	Weed Control
Ellen O. Marzolf	Stenographer-Clerk

OFFICES

Memorial Building
Willows, California

County Building
Orland, California

TELEPHONE NUMBERS

Willows — 240

Orland — UNderhill 5-2264

PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

GLENN COUNTY, CALIFORNIA — 1954

FIELD CROPS	Production	Values	Totals
Rice	1,400,000 cwt.	\$ 6,300,000	
Barley	750,000 cwt.	1,800,000	
Wheat	30,000 cwt.	105,000	
Oats	7,500 cwt.	20,000	
Milo	100,000 cwt.	300,000	
Safflower	42,000 cwt.	115,500	
Beans	25,000 cwt.	175,000	
Field Corn	36,000 cwt.	120,000	
Sugar Beets	13,000 tons	175,500	
			\$ 9,111,000
Forage			
Silage Corn	16,000 tons	112,000	
Alfalfa Hay	65,000 tons	1,300,000	
Clover Hay	7,000 tons	70,000	
Mixed Hay	15,000 tons	225,000	
			1,707,000
PASTURE			
Irrigated Pasture	54,000 acres	1,350,000	
Range	250,000 acres	250,000	
Stubble	120,000 acres	180,000	
			1,780,000
SEED CROPS			
Ladino Clover	1,915,000 lbs.	1,053,000	
Other Clover	106,500 lbs.	64,000	
Sudan	920,000 lbs.	83,000	
Alfalfa	75,000 lbs.	26,000	
Other Seed	40,000 lbs.	12,000	
Canadian Peas	180,000 lbs.	7,500	
Vetch	70,000 lbs.	3,000	
			1,248,500
ORCHARD CROPS			
Almonds	2,225,000 lbs.	587,000	
Apricots	1,150,000 lbs	70,000	
Olives	5,000,000 lbs	375,000	
Oranges	120,500 boxes	490,000	
Peaches	800,000 lbs.	25,000	
Prunes	7,800,000 lbs	877,000	
Pears	5,500,000 lbs.	207,000	
Walnuts, English	675,000 lbs.	118,500	
Walnuts, Black	200,000 lbs.	5,000	
Apricot Pits and Almond Hulls	1,550 tons	5,500	
			2,760,000
POULTRY			
Poultry, live	120,000 lbs.	27,000	
Eggs	284,000 doz.	104,000	
Turkeys, dressed	1,400,000 lbs.	500,000	
Turkey Eggs	317,000 each	99,000	
			730,000

PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

(Continued)

LIVESTOCK	Production	Values	Totals
Butterfat	5,136,000 lbs.	\$ 4,402,000	
Fat Cattle	16,000 head	2,300,000	
Cattle	15,000 head	900,000	
Calves	14,000 head	350,000	
By-Products		50,000	
Sheep	20,000 head	125,000	
Lambs	130,000 head	2,200,000	
Wool	1,200,000 lbs.	815,000	
Pelts	3,000 each	9,000	
Hogs	20,000 head	720,000	
			\$11,871,000
APICULTURE			
Package Bees	25,000 lbs.	25,000	
Queens	3,500 each	4,500	
Honey	650,000 lbs	65,000	
Beeswax	9,000 lbs.	4,000	
Pollination		10,000	
			108,500
GOVERNMENT PAYMENTS			
Agricultural Conservation		42,000	
			42,000
FOREST PRODUCTS			
Logs	8,000,000 bd. feet	200,000	
Milled Lumber	24,000,000 bd. ft.	1,800,000	
Christmas Trees	5,000 trees	6,000	
			2,006,000
GRAND TOTAL AGRICULTURAL INCOME - 1954			\$31,364,000

AGRICULTURAL INCOME TOTALS FOR 16 YEARS

Year	Amount
1939	\$ 7,698,200
1940	8,206,700
1941	10,587,500
1942	11,973,200
1943	13,824,600
1944	19,047,000
1945	18,577,000
1946	22,260,000
1947	27,935,000
1948	27,070,000
1949	24,820,000
1950	30,637,000
1951	39,005,000
1952	42,473,700
1953	33,267,000
1954	31,364,000
SIXTEEN YEAR TOTAL	368,745,900

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

76 YEARS — 1878-1954

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

The Following Table Was Compiled From Commercial Pest Control Operators' Reports and Estimates by Private Farm and Orchard Operators

329 Permits were issued to use hazardous herbicides and insecticides in 1954.

	Pest Control Operators				Estimate by Others		Totals	
	By Aircraft		By Ground Rig		Acreage	Cost of Material & Application	Acreage	Costs
	Acreage	Cost of Material & Application	Acreage	Cost of Material & Application	Acreage	Cost of Material & Application	Acreage	Costs
FIELD CROP								
Rice								
Herbicide	32,716	\$ 83,426		\$		\$	32,716	\$ 83,426
Insecticide ..	8,812	22,030					8,812	22,030
Defoliant	8,359	27,167					8,359	27,167
	<u>49,887</u>	<u>132,623</u>					<u>49,887</u>	<u>132,623</u>
Other Grains								
Herbicide	9,554	19,108	2,417	4,230	7,000	8,750	18,971	32,088
Ladino Clover								
Herbicide	165	404	1,344	2,957	1,000	1,750	2,509	5,111
Insecticide ..	4,760	17,850	1,252	4,382	500	1,500	6,512	23,732
Defoliants ..	1,046	3,400			1,000	3,000	2,046	6,400
	<u>5,971</u>	<u>21,654</u>	<u>2,596</u>	<u>7,339</u>	<u>2,500</u>	<u>6,250</u>	<u>11,067</u>	<u>35,243</u>
Alfalfa								
Insecticide ..	825	3,094					825	3,094
Defoliants ..	386	1,737					386	1,737
	<u>1,211</u>	<u>4,831</u>					<u>1,211</u>	<u>4,831</u>
Beans								
Insecticide ..	1,481	8,294			500	2,400	1,981	10,694
All Other								
Field Crops								
Herbicide			442	972			442	972
Insecticide ..	139	521					139	521
Defoliant	80	260					80	260
	<u>219</u>	<u>781</u>					<u>661</u>	<u>1,753</u>
VEGETABLE CROPS								
Peas, Cucumbers, Melons	205	1,148					205	1,148
DECIDUOUS FRUITS								
Insecticides	527	6,851			900	11,700	1,427	18,551
NUTS								
Insecticides	420	5,460	335	4,020	3,000	39,000	3,755	48,480
RANGE & PASTURE								
Insecticides	173	484			500	1,125	673	1,609
MISCELLANEOUS								
Herbicides ..	486	972	24	54	600	1,020	1,110	2,046
TOTALS	<u>70,134</u>	<u>\$202,206</u>	<u>5,814</u>	<u>\$16,615</u>	<u>15,000</u>	<u>\$70,245</u>	<u>90,948</u>	<u>\$289,066</u>

FIFTEEN YEAR PRODUCTION AND VALUE

Year	Cwt. Rice	Rice Value	Barley Cwt.	Barley Value	Ladino Seed Pounds	Ladino Seed Value
1940	408,550	\$ 510,675	317,486	\$ 259,300	119,000	\$ 96,000
1941	545,600	1,271,000	392,400	575,000	142,000	85,000
1942	361,940	1,230,600	258,300	407,900	141,000	105,000
1943	394,000	1,300,000	415,000	1,050,000	118,000	150,000
1944	850,000	2,678,000	701,000	1,658,000	325,000	569,000
1945	690,000	2,242,500	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	656,000
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
TOTALS	13,815,090	\$60,903,775	9,094,186	\$24,018,200	18,390,000	\$18,111,000

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
1941	2,709,000	95,000	4,018,000	285,000	58,400	133,000
1942	2,069,000	145,000	1,601,000	228,000	64,500	258,000
1943	4,056,000	335,000	3,874,000	846,000	85,000	340,000
1944	4,864,000	487,000	3,858,000	849,000	115,000	431,500
1945	6,000,000	600,000	2,690,000	464,000	85,000	340,000
1946	4,500,000	540,000	1,573,000	201,500	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	367,500
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
TOTALS	72,226,000	\$6,691,500	46,337,000	\$6,365,000	1,354,400	\$4,879,000

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	\$ 1,110,600	1,693,500
1941	34,900	636,000	111,250	1,477,500	1,402,000	1,871,000
1942	28,900	749,000	116,200	1,550,000	2,018,000	1,358,000
1943	34,000	995,000	109,000	1,439,000	1,645,500	934,000
1944	41,000	1,104,000	139,000	1,500,000	2,059,000	1,975,000
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	3,526,500	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	3,397,500	850,000
1954	20,000	720,000	150,000	1,200,000	3,140,000	1,400,000
TOTALS	445,300	\$14,793,500	1,907,650	18,988,500	\$39,118,100	19,620,500

ALUE OF PRINCIPAL COMMODITIES

Year	Other Field & Seed Crops Cwt.	Other Field & Seed Crops Value	Almonds Pounds	Almonds Value	Walnuts Pounds	Walnuts Value
1900	118,300	\$ 137,400	2,015,700	\$ 302,400	1,203,300	\$ 62,900
1901	165,100	282,600	471,400	170,000	508,500	37,100
1902	226,300	282,900	1,999,000	480,000	516,800	39,000
1903	102,300	253,000	1,415,500	481,000	895,500	140,000
1904	72,900	179,500	2,700,000	918,000	558,000	69,000
1905	96,800	309,000	1,900,000	741,000	542,000	89,600
1906	117,900	300,000	2,000,000	744,000	492,000	96,500
1907	126,600	426,500	2,000,000	680,000	587,000	90,500
1908	129,100	554,300	1,250,000	286,000	550,000	85,200
1909	192,400	500,800	3,000,000	650,000	1,237,000	159,000
1910	91,200	406,600	3,500,000	1,085,000	928,500	140,500
1911	65,600	360,500	3,500,000	1,050,000	1,165,500	211,500
1912	111,700	578,300	3,750,000	1,025,000	1,085,000	199,000
1913	222,900	895,000	3,300,000	780,000	920,000	155,000
1914	267,500	1,204,500	2,225,000	587,000	875,000	123,000
1915	2,106,600	\$6,670,900	35,026,600	\$9,979,400	12,064,100	\$1,697,800

Year	Other Fruit Fresh & Dried Pounds	Other Fruit Fresh & Dried Value	Butterfat Pounds	Butterfat Value	Cattle & Calves Marketed Head	Cattle & Calves Value
1900	3,083,500	\$ 95,500	1,879,000	\$ 751,500	9,090	\$ 675,800
1901	4,660,500	109,000	2,777,000	1,388,000	13,400	766,400
1902	6,160,000	491,000	2,668,000	1,607,000	12,100	848,300
1903	6,723,000	535,000	2,685,000	2,084,000	16,500	990,000
1904	6,645,000	692,500	3,034,000	2,503,000	23,500	1,395,000
1905	4,649,000	328,000	3,343,500	2,841,000	24,500	1,636,500
1906	9,763,000	839,000	2,973,000	2,902,000	23,500	1,695,000
1907	6,072,000	390,000	3,400,000	3,260,000	29,000	3,240,000
1908	2,382,000	119,000	3,690,000	4,000,500	31,500	4,770,000
1909	6,330,000	270,000	3,621,000	3,032,500	43,500	4,134,500
1910	4,177,000	295,000	3,711,000	3,711,000	41,300	7,000,500
1911	7,562,000	440,000	3,807,000	3,970,000	44,200	8,294,500
1912	9,112,000	510,000	3,875,000	4,601,000	41,500	5,540,000
1913	5,700,000	376,000	4,802,000	5,010,000	43,500	3,755,000
1914	7,450,000	310,000	5,136,000	4,402,000	45,000	3,550,000
1915	90,469,000	\$5,800,000	51,401,500	\$46,063,500	442,090	\$48,291,500

Year	Turkey Eggs Each	Turkeys & Eggs Value	Pounds Packaged Bees	Honey Tons	Bees & Honey Value	Lumber & Logs Bd. Feet	Lumber & Logs Value
1900	99,500	\$ 303,000	19,700	270	\$ 34,000		
1901	219,000	509,000	19,200	165	30,000		
1902	204,000	503,000	33,300	216	83,000		
1903	486,000	415,000	37,000	246	86,000		
1904	642,000	1,002,000	48,000	178	166,500		
1905	841,000	1,205,000	30,000	114	76,500	500,000	\$ 20,000
1906	635,000	784,000	37,500	220	164,000	1,400,000	100,000
1907	315,000	409,000	39,000	137	105,000	500,000	50,000
1908	75,000	300,000	38,500	238	131,000	5,000,000	500,000
1909	320,000	332,000	32,000	244	97,000	1,800,000	122,000
1910	400,000	547,000	25,000	144	63,500	7,000,000	240,000
1911	351,000	686,000	24,500	462	123,000	29,000,000	1,067,500
1912	440,000	697,000	26,475	450	131,500	23,000,000	1,647,500
1913	290,000	433,000	25,000	325	121,500	27,000,000	1,956,000
1914	317,000	599,000	25,000	325	95,000	32,000,000	2,000,000
1915	5,634,500	\$8,724,000	460,175	3734	\$1,507,500	127,200,000	\$7,703,000

AGRICULTURAL RESOURCES

FIELD CROPS	Acreage	Totals
Alfalfa	14,000	
Barley	54,000	
Beans	1,500	
Corn		
Grain	1,200	
Silage	1,300	
Hay, Mixed	10,000	
Irrigated Pastures	54,000	
Milo	5,000	
Oats	1,200	
Rice	56,000	
Safflower	6,000	
Sudan	1,200	
Sugar Beets	969	
Wheat	3,645	
		210,014

ORCHARD CROPS

Almonds	3,980	
Apricots	161	
Cherries	2	
Citrus	630	
Figs	85	
Grapes	16	
Olives	902	
Peaches	90	
Pears	169	
Pecans	2	
Prunes	1,475	
Walnuts, English	964	
		8,476

LIVESTOCK AND POULTRY

	Head	
Cattle, Beef	17,000	
Cattle, Dairy	27,000	
Hogs	4,500	
Horses and Mules	300	
Sheep	135,000	
Poultry	20,000	
Turkeys, Breeding Stock	7,000	
		210,800

APIARY

	Colonies	
Bees, Registered	6,831	
		6,831

CHEMICALS USED BY THIS DEPARTMENT

INSECT CONTROL

Benzene Hexachloride (BHC)	76 Pounds
D.D.T.	54 Gallons
D.D.T. (powder)	8 Pounds
72% Chlordane	94 Quarts
Dieldrin-Aldrin-Chlordane Bran	553 Pounds
Cyanogas	36 Ounces
Summer Oil Spray	2 Gallons
Lead Arsenate	151 Pounds
Bordeaux	43 Pounds
Sodium Arsenite	32 Gallons
Aldrin	5 Gallons
Aldrin dust 3%	325 Pounds
Malathion	29 Gallons
5% Chlordane Dust	387 Pounds
Dieldrin	79 Quarts
Dieldrin Dust	925 Pounds
Malathion Dust	4 Pounds
DDD	2 Pints
Elgetol "318"	6 Ounces
Soluble Emulsion	1 Gallon
Additive	15 Pints
Methyl Bromide	100 c. c.

WEED CONTROL

Polybor Chlorate	2440 Pounds
Contact Weed Killer	56 Gallons
Diesel Oil	1946 Gallons
Sodium Chlorate	1400 Pounds
2,4-D Amine	1282 Quarts
2,45T	3 Quarts
Pentachlorophenol	1 Gallon
Borax	525 Pounds
C.M.U.	25 Pounds
Duratox	32 Pounds
Detergent	87 Pounds
Summer Oil	18 Gallons

RODENT CONTROL

Strychnine-treated Barley	6372 Pounds
Strychnine-treated Milo	320 Pounds
Zinc-phosphide-treated Barley	344 Pounds
"1080"	52 Ounces
"1080" bait	10 Pounds
Warfarin	4434 Pounds
Carbon Bisulphide	12 Quarts
Strychnine alkaloid	58 Ounces
50% processed Strychnine	3 Ounces
Pival-treated bait	15 Pounds

NATURAL 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	12,000
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	36,000
TOTAL ACREAGE UNDER IRRIGATION	157,955
Orland Artois Irrigation District	18,000
 Other land suitable for irrigation:	
West of present irrigation systems	71,000
Butte City District, East of Sacramento River	25,000
Stony Creek Valley	10,700
West of Orland on Stony Creek, below proposed Black Butte Dam	15,000
ADDITIONAL ACREAGE SUITABLE FOR IRRIGATION	121,700
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 Standing Timber	86,000
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 (Proven)	12
Number of farms in County	1,800

RECREATIONAL RESOURCES

Lakes	Stony Gorge Dam and Packer Lake
Forest Camp Grounds Improved	54
Visitors annually to National Forest areas	28,000
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	1,250,000
Wild Geese	800,000
Ring-neck Pheasants	150,000
California Valley and Mountain Quail	20,000
Mourning Doves	35,000
Band-tail Pigeons	5,000
Beaver	250
Otter	200
Estimated number of predators:	
Mountain Lions	50
Coyotes	3,000
Bobcats	1,500
Badgers	150
Raccoons	15,000
Skunks	9,000
Mink	500
Grey Fox	5,000
Red Fox	200
Wild Game reported killed by Licensed Hunters and Trappers:	
Deer	658
Mountain Lions	1
Coyotes	148
Muskrats, trapped	13,130
Beaver	17
Mink	8
Raccoon	83
Otter	4
Skunks	29

COMMENTS

In reviewing the year 1954, a few important points stand out. In general, the total farm income was less than last year. The rice crop was off nearly a dollar a sack. A few other crops sold on lower markets. While the sale of dairy products was on a lower level, the production was the highest on record. In 1940, the production was 1,800,000 pounds. Over a period of 15 years it had increased 2½ times, or to 5,136,000 in 1954. With the development of new irrigation districts and more land being leveled for irrigation, a much greater expansion of the dairy industry can be expected. In Glenn County, ladino clover seed growing is a very important crop and, as one farmer put it, "Ladino seed paid off more farm mortgages than any other single crop." Over a period of 15 years, 3 years of over-production followed by a reduction in acreage has given ladino seed growing a chance to level off and, as a result, it has again come into its own as nearly 1,900,000 lbs. were harvested in 1954.

Because of improved strains developed recently and improved cultural and harvesting practices, 2,500 acres of Indian or field corn were planted for grain in 1954. One-half was cut for silage and 1,200 acres harvested. It is probable that a considerable additional acreage will be planted in 1955 in the hope of another money crop to help take up the slack of reduced rice and sugar beet acreage. Nation wide there is a surplus of this commodity; however, transportation costs will be eliminated by growing it here.

Beans were another crop which showed a considerable increase in the past year. About 25,000 bags of clean beans were reported raised in the County. Some varieties are Government supported. More acreage may be planted in 1955 as a second crop on excluded rice land after a grain or hay crop has been harvested.

The barley crop was very good in 1954, with more grain produced in the County than at any time since 1949. The price was down some; generally this was one of the most profitable commodities produced this year.

The survey made by the Bureau of Agricultural Statistics, State Department of Agriculture, in the fall of 1954 showed a total of 8,376 acres of fruit and nut trees in the County. The principal acreages were: Almonds, 3,980 acres; prunes, 1,475 acres; English walnuts, 964 acres; olives, 902 acres; and oranges, 630 acres. The balance of 435 acres was miscellaneous planting of various fruits and nuts. The almond crop was short of the last five-year average by nearly one-third. Statewide production was heavy and prices were fairly firm. More prunes were produced in 1954 than at any time within the last fifteen years. In many cases sizes were smaller than average, returns to the grower were fair. The walnut crop was lighter than average with some worm damage; prices were stable. Olive production was very heavy; the price and quality, however, were not encouraging. Oranges were of good quality and size, and the crop was heavy. Fairly good returns were realized by most growers. Of the remaining tree crops, apricots and pears were profitable in 1954.

The dairy and livestock industry, while showing a decline in total money value received over the previous year, had more stability. The market seemed generally firmer at the end of 1954.

Inspection for maturity and quality was made from samples representing approximately 200,000 boxes of commercial lots of apricots, oranges, peaches and pears. Retail outlets for other produce and eggs were inspected at intervals throughout the year. The quality condition and packaging were found in most cases to be excellent.

Seed inspection continues as a major part of the departmental work. The inspection of harvesting and cleaning equipment, the sampling of seed, and sealing and tagging certified lots constitutes most of this work.

Most of the weighing and measuring devices were tested during the year of 1954. Early in January and February, all "store" or counter scales were checked.

COMMENTS

Continued

Following this, work was directed to livestock scales, and then in May all of the vehicle scales were sealed. The Department has also checked all gasoline retail meters, as well as vehicle tank meters and manifolding systems. The past year also brought an increase in the number of farm holding milk tanks. Twenty-eight tanks were sealed during the year.

Late in May a heavy infestation of grasshoppers developed on the range lands in the western part of the County. They were of economic importance to foothill farmers, and made heavy inroads on safflower and grain fields. Considerable expense was incurred in spraying heavily infested areas in an effort to reduce the infestation. Occasional rains during the summer and early fall were ideal for the deposit of large numbers of eggs. It could be that a heavy infestation of grasshoppers might be expected in 1955; weather conditions will be the deciding factor as to this.

The Department and the cities of Willows and Orland again sprayed the elm and ash trees of the County in an effort to control the ash bug and elm leaf beetle; the results in most cases were satisfactory.

Primary noxious weeds known to exist in the County are Klamath weed, Russian knapweed, white horse nettle, and hoary cress. Continued treatment of these infestations each year has so far reduced the infestations or held them in check to the extent that financial loss to farmers was negligible. Weed control is a never ending battle and must be continued.

APIARY INSPECTION

	Apiaries	Colonies
Registered during 1954	181	6,831
Entering California	1	2
Entering County	46	2,452
Leaving County	50	2,870
Moving within the County	63	2,042
Inspected during 1954	41	957
Infected with American Foulbrood	11	82
Infected with European Foulbrood	4	9
Burned for American Foulbrood	11	82

PLANT QUARANTINE

INTERSTATE SHIPMENTS:

Number of Shipments Passed	459
Number of Plants Passed	19,059
Number of Shipments Rejected	2
Number of Plants Rejected	2

INTRASTATE SHIPMENTS:

Number of Shipments Passed	402
Number of Plants Passed	50,449
Number of Shipments Rejected	14
Number of Plants Rejected	157

WEIGHTS AND MEASURES REPORT — 1954

TESTED AND SEALED WITHOUT CORRECTION: TOTAL - 1102

- 52 Counter scales
- 21 Spring scales
- 38 Computing scales
- 80 Platform and Dormant scales
- 6 Hopper scales
- 32 Livestock scales
- 24 Vehicle scales
- 3 Person weighers
- 1 Meat Beam and Steelyard
- 326 Weights
- 14 Vehicle tank meters
- 1 Bulk plant meter
- 110 Retail pumps and meters
- 34 Grease meters
- 110 Liquid capacity measures
- 228 Lubricating oil bottles tested for capacity
- 20 Farm holding tanks
- 2 Torsion Balance scales

TESTED AND SEALED AFTER CORRECTION: TOTAL - 163

- 25 Counter scales
- 1 Spring scale
- 2 Computing scales
- 22 Platform and Dormant scales
- 5 Hopper scales
- 5 Livestock scales
- 13 Vehicle scales
- 1 Meat Beam and Steelyard
- 7 Weights
- 16 Vehicle Tank meters
- 2 Bulk plant meters
- 26 Retail pumps and meters
- 30 Lubricating oil bottles tested for capacity
- 8 Farm holding tanks

TESTED AND FOUND TO BE OUT OF ORDER: TOTAL - 71

- 10 Counter scales
- 3 Spring scales
- 7 Computing scales
- 8 Platform and Dormant scales
- 9 Livestock scales
- 1 Meat Beam and Steelyard
- 1 Weight
- 1 Vehicle tank meter
- 24 Retail pumps and meters
- 1 Grease meter
- 6 Farm holding tanks

EQUIPMENT CONDEMNED: TOTAL - 4

- 4 Weights

Packages or containers checked: 8 light, 173 correct.

Signs inspected: 381 correct, 42 corrected.

Establishments visited during 1954: 394.

Certificates of inspection issued: 269.