

077-22

# **ANNUAL REPORT**

## **Agricultural Commissioner**

—  
COUNTY OF GLENN

—  
**1942**  
—

**P. V. HARRIGAN**

GLENN COUNTY DEPARTMENT OF AGRICULTURE  
WILLOWS, CALIFORNIA

P. V. Harrigan  
Agricultural Commissioner

A N N U A L   R E P O R T  
FOR THE  
YEAR ENDING DECEMBER 31, 1942

BOARD OF SUPERVISORS

Richard Nichols, Chairman

M. G. Haigh

Henry McMahon

Darwin Picknell

J. W. Monroe

## PLANT QUARANTINE

The following goods from other counties in California were inspected and passed into Glenn County during the calendar year of 1942:

3,059	Ornamentals
691	Rose Bushes
26	Cactus Plants
17,477	Bulbs, Corms and Tubers
893	Bedding Plants
153	Flats Bedding Plants
5,034	Vegetable Plants
74	Flats Vegetable Plants
627	Berry Plants
2,953	Strawberry Plants
4,150	Packets Flower and Vegetable Seed
16	Packets Tree Seed
123	Sacks Alfalfa Seed
107	Sacks Vetch Seed
8	Sacks Birdsfoot Trefoil Seed
1	Sack Lespedeza Seed
20	Sacks Ladino Clover Seed
4	Sacks White Clover Seed
1	Sack Strawberry Clover Seed
10	Sacks Subterranean Clover Seed
7	Sacks Sweet Clover
1	Sack Bur Clover Seed
13	Sacks Rye Seed
1	Sack Burnet Seed
4	Sacks Kentucky Bluegrass Seed
4	Sacks Bermuda Grass Seed
13	Sacks Ryegrass Seed
5	Sacks Dallas Grass Seed
3	Sacks Orchard Grass Seed
155	Sacks Sudan Grass Seed
1	Sack Canary Grass Seed
1	Sack Crested Wheat Grass Seed
1	Sack Tall Oat Grass Seed
3	Sacks Timothy Seed
1	Sack Meadow Fesque Seed
1	Sack Red Top Seed

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2	Sacks Pasture Mixture Seed
2	Sacks Millet Seed
15	Sacks Sorghum Seed
104	Sacks Milo Seed
2	Sacks Egyptian Corn Seed
17	Sacks Sweet Corn Seed
1	Sack Cowpea Seed
13	Sacks Bean Seed
2	Sacks Soy Bean Seed
1	Sack Lawn Seed
2	Sacks Sunflower Seed
1	Sack Peanuts
20	Pounds Mangel Beet Seed
800	Pounds Onion Sets
8,313	Deciduous Nut Trees
5,201	Deciduous Fruit Trees
460	Citrus and Subtropical Trees
225	Scion Wood for Grafting
315	Grapevines

The following rejections were made on intrastate shipments:

29	Deciduous Fruit Trees
158	Deciduous Nut Trees

## PLANT QUARANTINE (Continued)

The following goods from other states were inspected and passed into Glenn County during the calendar year of 1942:

1,008	Ornamentals
208	Rose Bushes
28	Cactus Plants
2,541	Bulbs, Corms and Tubers
2,057	Bedding Plants
2,506	Vegetable Plants
1	Flat Vegetable Plants
54	Berry Plants
2,854	Strawberry Plants
1,954	Packets Flower and Vegetable Seed
2	Sacks Ryegrass Seed
1	Sack Brome Grass Seed
1	Sack Canary Grass Seed
10	Sacks Sorgo Seed
3	Sacks Millet Seed
1	Sack Proso Seed
6	Sacks Alfalfa Seed
2	Sacks Lespedeza Seed
100	Sacks Vetch Seed
1	Sack Birdsfoot Trefoil Seed
1	Sack Ladino Clover Seed
9	Pounds Onion Sets
185	Deciduous Fruit Trees
40	Deciduous Nut Trees
500	Fruit Tree Seedlings
7	Grapevines
10	Carloads Potatoes

## OUTGOING SHIPMENTS

The following farm products, by-products and livestock were shipped out of Glenn County during the calendar year of 1942:

904,850	Bushels	(361,940 sacks)	Rice
639,400	Bushels	(255,760 sacks)	Barley
230,070	Bushels	(92,028 sacks)	Wheat
137,424	Bushels	(61,122 sacks)	Milo
10,044	Bushels	(4,489 sacks)	Oats
140,834	Pounds	Ladino Clover Seed	
20,877,675	Pounds	Sugar	
2,677,792	Pounds	Butterfat	
411,232	Dozen	Eggs	
204,527	Turkey	Eggs for Hatching	
1,358,244	Pounds	Dressed Turkeys	
294,068	Pounds	Live Poultry	
2,342	Head	Veal Calves	
117	Head	Milk Cows	
5,589	Head	Fat Cattle	
4,032	Head	Feeder Cattle	
921	Cow	Hides	
1,549,622	Pounds	Wool	
8,220	Pounds	Sheep Pelts	
96,727	Head	Lambs	
1,930	Head	Feeder Lambs	
17,569	Head	Sheep	
28,809	Head	Hogs	
33,288	Pounds	Package Bees and Queens	
1,900	Additional	Queens	
5,000	Pounds	Beeswax	
432,000	Pounds	Honey	
581	Tons	Alfalfa	
1,999,222	Pounds	Almonds	
190,820	Pounds	English Walnuts	
326,000	Pounds	Black Walnuts	244,100

(Continued)

64,515	Boxes Oranges
812	Boxes Lemons
68,000	Pounds Lemon By-products
455,220	Pounds Fresh Apricots
243,411	Pounds Dried Apricots
145,455	Pounds Apricot Pits
275,650	Pounds Wine Grapes
4,000	Pounds Raisins
78,828	Boxes Pears
140,000	Pounds Cannery Pears
2,669	Boxes Peaches
123,800	Pounds Dried Peaches
2,068,508	Pounds Dried Prunes
588,677	Pounds Dried Figs
22,462	Gallons Olive Oil
891,000	Pounds Olives
686,295	Pounds Processed Olives
24,000	Pounds Olive Pomace

## EVALUATION OF COMMODITIES SHIPPED

### CATTLE

Butterfat	\$1,606,675.00	
Fat Cattle	487,650.00	
Feeder Cattle	342,720.00	
Milk Cows	12,870.00	
Cow Hides	4,485.00	
Veal Calves	538.00	\$2,454,938.00

### GRAIN

Rice	1,230,596.00	
Barley	407,937.00	
Wheat	241,296.00	
Milo	133,704.00	
Oats	7,855.00	2,021,388.00

### SHEEP

Lambs	1,112,360.00	
Wool	743,818.00	
Sheep	140,552.00	
Feeder Lambs	17,370.00	
Sheep Pelts	3,945.00	2,018,045.00

### TREE CROPS

Almonds	479,813.00	
English Walnuts	11,450.00	
Black Walnuts	5,542.00	
Oranges	258,060.00	
Lemons	4,060.00	
Lemon By-products	510.00	
Olive Oil	89,848.00	
Processed Olives	89,218.00	
Olives	49,000.00	
Pears	354,726.00	
Cannery Pears	4,200.00	
Peaches	2,669.00	
Dried Peaches	17,332.00	
Dried Prunes	144,795.00	
Dried Figs	44,150.00	
Fresh Apricots	18,208.00	
Dried Apricots	43,813.00	
Apricot Pits	1,818.00	
Wine Grapes	3,588.00	
Raisins	140.00	1,622,940.00

EVALUATION OF COMMODITIES SHIPPED  
(Continued)

SUGAR		
Sugar	\$1,137,834.00	\$1,137,834.00
HOGS		
Hogs	749,034.00	749,034.00
POULTRY		
Turkeys	461,803.00	
Chicken Eggs	143,931.00	
Live Poultry	64,695.00	
Turkey Eggs	40,905.00	711,334.00
HAY AND SEED		
Ladino Clover Seed	105,625.00	
Alfalfa Hay	12,782.00	118,407.00
BEES AND HONEY		
Honey	51,840.00	
Package Bees and Queens	31,284.00	
Beeswax	2,000.00	85,124.00
AGRICULTURAL ADJUSTMENT ADMINISTRATION (1942 payments)		
Conservation Payments	50,000.00	
Payments under price adjustment act:		
Rice	10,000.00	
Sugar Beets	26,000.00	86,000.00
UNREPORTED RETURNS TO FARMERS		
Estimated returns to farmers for produce - unreported		500,000.00
MINERALS		
Chromium	448,000.00	
Magnesium	3,200.00	451,200.00
	GRAND TOTAL	\$11,973,244.00

## NATURAL ECONOMIC RESOURCES

Population . . . . .	12,350
Water Resources . . . . .	Sacramento River and Stony Creek
Total Area (acres) . . . . .	880,000
 Irrigation Districts in Operation . . . .	 6
 Approximate acreage of each district:	
Orland, U. S. Reclamation District . .	20,000
Glenn-Colusa Irrigation District (Glenn County) . . . . .	45,000
Jacinto Irrigation District . . . . .	20,000
Provident Irrigation District . . . . .	15,000
Princeton-Codora Irrigation District .	6,000
Loam Ridge Irrigation District . . . .	1,200
 Land suitable for irrigation:	
West Willows Project, total area 115 sections (not developed) . . . .	73,600
 Forest acreage:	
National forest . . . . .	221,000
Acres of standing timber . . . . .	93,000
 Chromium Mine -- Estimated Development . .	 \$500,000
 Number of farms in Glenn County . . . . .	 1,376
Average acreage of each farm . . . . .	393
Number of farms over 1,000 acres . . . . .	127

NATURAL ECONOMIC RESOURCES  
(Continued)

Field crop acreage:

Barley for grain (planted)	83,000	
Ladino Clover	20,000	
Wheat for grain	10,000	
Rice	25,000	
Alfalfa	12,000	
Milo Maize	18,000	
Oats	600	
Sugar Beets	1,319	
Beans	250	
Tomatoes	125	170,294
Native grass pasture	375,000	
Wild hay	20,000	395,000

Fruit and nut acreage:

Almonds	4,574	
Prunes	1,787	
Citrus	862	
Apricots	759	
Walnuts	688	
Olives	529	
Peaches	228	
Pears	205	
Figs	288	
Grapes	233	10,153

Livestock:

(Not including lambs or calves)

Sheep	180,000	
Dairy cattle	15,210	
Beef cattle	9,022	
Hogs	11,762	
Horses and mules	1,245	217,239
Poultry and turkeys	76,600	76,600

NATURAL RECREATIONAL RESOURCES

Lakes . . . . .	Stony Gorge Dam and Packer Lake	
Summer Camping Grounds, Improved . . . . .		16
Partially Improved . . . . .		38
Elevations in Forest . . . . .		3,000 to 7,000
Trout holding ponds . . . . .	Plaskett Meadows Elevation, 6,500	

Kinds of Fish:

Mountain Streams -- Rainbow Trout

Rivers -- Striped Bass, Black Bass, Salmon, Shad,  
and Catfish

Rivers and Creeks (Length in miles through Glenn County)

Sacramento River . . . . .	26
Black Butte River, a tributary of Eel River . . . . .	20
Stony Creek, north fork . . . . .	12
Stony Creek, main fork . . . . .	68
Briscoe Creek . . . . .	12
Grindstone Creek . . . . .	28
Cold Creek . . . . .	6

Estimated number of wild game:

Columbia Black Tail Deer . . . . .	18,000
California Brown Bear . . . . .	500
Mountain Lions . . . . .	80
Wild Ducks . . . . .	500,000
Wild Geese . . . . .	100,000
Ring neck Pheasants . . . . .	95,000
California Valley Quail . . . . .	25,000

Other game:

Mountain Quail, Wild Pigeon, Doves

## POISON REPORT

Chemicals and poisons used in weed and pest control:

2,548	Pounds	Poison	Barley
229	Pounds	Poison	Milo
139	Pounds	Poison	Wheat
4,561	Pounds	Poison	Bran
5,448	Ounces	Antrol	
32	Pounds	Zinc Phosphide	Oats
25,240		Red Squill	Baits
60	Ounces	Barium	Carbonate
8	Pounds	Sodium	Fluosilicate
325	Pounds	Arsenic	Trioxide
300	Pounds	Borax	
60	Gallons	Sodium	Arsenite
56	Gallons	Sinox	
13,125	Gallons	Spray	Oil

## APIARY REPORT

8,678 colonies of bees in 341 apiaries were registered with this office during 1942.

1,189 colonies in 14 apiaries were certified to move from Glenn County to other counties in California.

2,803 colonies in 26 apiaries were certified to move from other counties in California into Glenn County.

5,278 colonies in 271 apiaries were inspected during the calendar year of 1942.

18 colonies in 15 apiaries were found to be infected with American Foulbrood and were destroyed by burning.

33,288 pounds of package bees, 216 tons of honey, and 5,000 pounds of beeswax was shipped out of Glenn County during 1942.

## WEIGHTS AND MEASURES REPORT

### Tested and sealed without correction:

- 11 Counter Scales
- 27 Spring Scales
- 36 Computing Scales
- 51 Platform Scales
- 50 Heavy Capacity Scales
- 542 Weights
- 112 Retail Measuring Pumps and Meters
- 122 Liquid Measures

### Tested and sealed after correction:

- 5 Counter Scales
- 4 Spring Scales
- 10 Computing Scales
- 57 Platform Scales
- 41 Heavy Capacity Scales
- 32 Retail Measuring Pumps and Meters
- 2 Liquid Measures

### Tested and found to be out of order:

- 4 Counter Scales
- 7 Spring Scales
- 3 Computing Scales
- 17 Platform Scales
- 24 Heavy Capacity Scales
- 4 Weights
- 41 Retail Measuring Pumps and Meters

### Packages and Containers inspected:

32 Correct; 149 Heavy; 19 Light

### Storage Labels inspected:

93 found to be correct; 3 corrected

During the calendar year of 1942, 723 establishments were visited and 375 certificates issued.

## CROP SUMMARY

Later maturity of olives and oranges has thrown much of the harvest of those two crops over into the next calendar year. The olive crop is heavier than last year with prices ranging somewhat under last year's averages. On the other hand oranges with a somewhat lighter crop, which was delayed for thirty days due to slow maturity, is bringing prices higher than for some years in the past. The mean average return to the Association will approach \$4.50 a box.

The walnut crop was lighter, but prices received were twenty percent higher than last year and returned \$28,450 to the growers. Almonds produced one of the best crops of record in late years, and brought a gross return of \$480,000.

One of the best deciduous fruit crops was pears. Heavy production and exceptionally good prices made the most outstanding record of any deciduous fruit crop. Prunes, peaches, and apricots returned approximately a thirty percent increase over last year's crop.

Barley, wheat and rice produced heavier crops than for some years past. Prices for rice were outstanding as most of the sales will average \$3.40 cwt. Barley, too, brought very satisfactory returns. Wheat prices maintained more nearly level prices with other seasons.

Provision was made for farm storage for much of the grain crops, and possibly for that reason more grain is stored in the county in public warehouses and farm storage than is the usual custom. Transportation and labor were factors in limiting the movement of these crops until such time as their utilization is necessary, thus limiting extra handling.

## POULTRY

In order for Glenn County poultry raisers to do their part in the government's desire for increased egg production, each farmer in the county should keep a mean average of eighty-four laying hens. This quota also applies to the other six million farmers in the United States. Local farmers produced fifty-six thousand dozen eggs in 1942 over the previous year.

## LIVESTOCK

The livestock situation was benefited by an exceptionally good feed year, a reasonably high birth rate for lambs, and good prices for wool. These favorable factors influenced the returns on the sheep income to \$600,000 over last year. The increase in fat cattle, milk cows, and dairy products was \$300,000 over last year.

The continual build-up in the value and number of livestock in the county is a healthy situation as long as feed and pasture conditions are maintained in proportion to the needs of the stock on hand. A continuous program of increased feed supplies such as alfalfa hay for winter feed and mixed grasses for summer pasture is essential to continued prosperity in the livestock industry.

## LADINO CLOVER

Some information of general interest was found in checking over the ladino clover situation in the county. In some areas where farmers are growing seed the mean average return to seed growers amounted to \$82.50 per acre. This left approximately a five months pasturing period in addition to over one ton of ladino straw to the acre. Most of the ladino land the last few years has been selling for \$100 an acre. On the basis of this information ladino will pay for itself the first year by the combination of both growing seed and pasturing. The straw or hay that is left after threshing makes a very favorable feed. It is relished by livestock, and because of the fine stems there is practically no waste.

During the present year, 140,000 pounds of ladino seed was produced. At least 95% of this seed was shipped through the Ladino Clover Seed Growers Association. From the low of twenty-five and thirty cents a pound a few years ago, ladino seed sales have been regulated and prices established on a more stable foundation. This year the best grades of seed returned eighty-eight cents a pound to the farmer.

## DAIRYING

On the butterfat side of the picture, with more cows in the county, ten thousand pounds less butterfat was produced than in the previous year. Overpasturing and insufficient supplemental feed in the form of concentrates were contributing factors toward producing a lesser amount of butterfat. Higher prices paid for butter, cheese, and dried milk will justify the farmer in giving serious study to care and feeding in order that more food in the line of dairy products may be produced. Few farmers realize that alfalfa at thirty-two dollars a ton is a higher priced feed than rolled barley.

## HONEY REPORT

Star thistle to most persons is considered a nuisance weed, but to the apiculturist it is one of his best friends because it produces more honey than all other honey producing plants in the county. In 1942 341 persons were registered as owning 8,678 colonies of bees. Honey production was 432,000 pounds, or 102,000 pounds increase over the previous year.

In addition to the honey produced, 33,200 pounds of package bees were shipped to other states and Canada to restock the colonies in those areas, as bees in the cold countries are usually killed off in the fall; otherwise during the winter they would consume practically all the honey they could produce in the summer. Thus the practice of restocking each year must be followed. It usually takes from two to three pounds of bees to restock a single hive. Enough bees were sent out of the county to colonize about twelve thousand hives in those areas.

## LUMBER AND MINING

Late in the year the Setzer Box Company of Sacramento was building roads and making provision to start up lumber operations in the western part of the county. It is estimated it will take over sixty years to mill off the ninety billion board feet of standing timber. A large mill capable of sawing 125,000 feet of lumber daily is being considered for erection, sixteen miles west of Willows.

LUMBER AND MINING  
(Continued)

The largest commercial operation of any business in the county is the chromium mine on the west side of Stony Creek Valley. During the latter part of the year 11,200 tons of chrome ore was shipped out. This product has an approximate value of forty dollars per ton, and brought a return of \$448,000.

The magnesium mine near Stonyford produced two carloads of ore. Greater development is expected in the mining field the coming year.

APPRECIATION

We wish to thank the Board of Supervisors for their support of our function in the county government and to express our appreciation to those farm groups and transportation agencies who have contributed factual information which has helped to make this record possible.

Respectfully submitted,

*P. V. Harrigan*

P. V. Harrigan  
Agricultural Commissioner