

TO THE HONORABLE BOARD OF SUPERVISORS  
OF GLENN COUNTY, CALIFORNIA

ANNUAL REPORT - 1938

The following goods were inspected and passed into Glenn County during the calendar year of 1938:

4,027	Ornamentals
1,000	Ornamental seedlings
1,280	Ornamental cuttings
610	Roses
11,120	Bulbs, corms, tubers, etc.
3,594	Bedding plants
64	Flats, Bedding plants
3,266	Vegetable plants
70	Flats, Vegetable plants
2,835	Strawberry plants
3,117	Berry plants
398	Grapevines
1,972	Packets vegetable & flower seeds
691	Citrus and Subtropical trees
400	Citrus seedlings
1,498	Deciduous fruit trees
2,000	Deciduous seedlings
401	Deciduous cuttings
127	Scion wood for grafting
12,848	Almond trees
16	Walnut trees
207	Sacks alfalfa seed
10	Sacks Chilian alfalfa seed
1	Sack perennial alfalfa seed
80	Sacks common vetch seed
286	Sacks purple vetch seed
9	Sacks field peas seed
5	Sacks Canadian field peas seed
67	Sacks Ladino clover seed
38	Sacks burr clover seed
5	Sacks sweet clover seed
2	Sacks yellow annual clover seed
2	Sacks white clover seed
2	Sacks white Dutch clover seed
1	Sack yellow clover seed
1	Sack Strawberry clover seed
1	Sack Sculla clover seed
1	Sack Persian clover seed
15	Sacks oat seed
101	Sacks maize, milo & sorghum seed
9	Sacks amber cane seed
123	Sacks Sudan grass seed
17	Sacks Dallas grass seed
50	Sacks Brome grass seed
13	Sacks orchard grass seed

Continued.

3 Sacks canary grass seed  
7 Sacks Bluegrass seed  
7 Sacks Bermuda grass seed  
1 Sack Rhodes grass seed  
1 Sack Crested wheat-grass seed  
65 Sacks pasture mixture seed  
5 Sacks grass seed  
1 Sack Italian ryegrass seed  
2 Sacks western ryegrass seed  
6 Sacks common ryegrass seed  
2 Sacks perennial ryegrass seed  
1 Sack imported ryegrass seed  
1 Sack domestic ryegrass seed  
1 Sack Australian ryegrass seed  
2 Sacks timothy seed  
13 Sacks Lespedeza seed  
3 Sacks millet seed  
2 Sacks rape seed  
2 Sacks Hegari seed  
8 Sacks Fenugreek seed  
13 Sacks Trieste (mustard) seed  
1 Sack meadow fescue seed  
2 Sacks peanut seed  
2 Sacks garden bean seed  
1 Sack garden corn seed  
1 Sack sweet potato seed  
1 Sack beet seed  
1 Sack pumpkin seed  
1 Sack popcorn seed  
2 Sacks onion sets  
1 Sack Lotus cornicultus seed

The following rejections were made on the above shipments:

- 100 Bulbs, infested with mealybugs.
- 7 Deciduous fruit trees, infested with Crowngall.
- 93 Nut trees, infested with Crowngall.
- 49 Sacks Sudan Grass seed, infested with Johnson grass seed.

All rejections were in violation of Section 124 of the Agricultural Code, State of California.

The following goods from other states were inspected and passed into Glenn County during the year of 1938:

2,549	Ornamentals
200	Ornamental cuttings
200	Ornamental seedlings
243	Roses
4,229	Bulbs, corms, tubers, etc.
2,963	Bedding plants
3,689	Packets vegetable & flower seeds
221	Berry plants
500	Strawberry plants
22	Grapevines
619	Vegetable plants
14	Deciduous fruit trees
250	Deciduous seedlings
15	Walnut trees
1	Sack Grimm alfalfa seed
63	Sacks common vetch seed
1	Sack Strawberry clover seed
1	Sack Canary grass seed
1	Sack orchard grass seed
1	Sack Lespedeza seed
1	Sack soy bean seed
1	Sack seed potatoes
3	Sacks Jerusalem artichoke seed

The following rejections were made on the above shipments:

2 Peony roots

Violation of Section 115 of the Agricultural Code, of the State of California.

1938 - A

The following farm products, by-products and livestock were shipped out of Glenn County during the year 1938:

V

319,323	bags	barley
84,450	bags	wheat
207,968	bags	rice
15,728	bags	milo
3,901	bags	oats
21,630,687	pounds	sugar
37	tank cars	molasses for refining
2,094,980	pounds	butterfat
X		
406,307	dozen	eggs
58,000	dozen	turkey eggs for hatching
1,200	dozen	hatching eggs
335,474	pounds	live poultry
437,371	pounds	dressed poultry
2,319,362	pounds	dressed turkeys
188,821	pounds	green olives
276,000	pounds	oil olives
418	gallon	olive oil
271	barrels	processed olives (32 gal. bbl.)
56,689	boxes	pears
424,000	pounds	dried peaches
20,476	boxes	apricots (20-lb. boxes)
86,042	pounds	dried apricots
5,152,392	pounds	dried prunes
30,500	pounds	dried figs
27,955	pounds	juice grapes
235	tons	<del>watermelons</del>
22	lugs	persimmons
63,597	boxes	oranges
615	boxes	grapefruit
40	boxes	lemons

Continued.

1,521,584	pounds almonds in shell
1,468	sacks almonds in shell
77,524	pounds almond meats
62,346	pounds walnuts in shells
17,677	pounds walnut meats
X 977,287	pounds wool
3,796	sheep
57,612	lambs
XX	
1,397	head fat steers
4,208	head feeder cattle
1,486	head cattle
192	head cows
54	bulls
394	veal calves
33	dressed calves
31,588	head hogs
XX 2	bales sheep pelts
2,380	tons baled alfalfa hay
43	sacks Ladino clover seed
22,152	pounds package bees

Weights and Measures Report

52	Counter scales	Tested and sealed without correction			
42	Spring scales	"	"	"	"
55	Computing scales	"	"	"	"
109	Platform scales	"	"	"	"
8	Wagon & stock scales	"	"	"	"
79	Miscellaneous scales	"	"	"	"
3	Counter scales	"	"	"	after
9	Spring scales	"	"	"	"
12	Computing scales	"	"	"	"
32	Platform scales	"	"	"	"
11	Wagon & stock scales	"	"	"	"
16	Miscellaneous scales	"	"	"	"
1	Counter scale	Out of order			
4	Spring scales	"	"	"	
9	Computing scales	"	"	"	
7	Platform scales	"	"	"	
1	Wagon & stock scale	"	"	"	
6	Miscellaneous scales	"	"	"	
1	Platform scale	Condemned and <del>confiscated</del>			
930	Weights	Tested and sealed without correction			
13	Weights	"	"	"	after
9	Weights	Out of order			
5	Weights	Condemned and confiscated			
123	Liquid measures	Tested and sealed without correction			
1	Liquid measure	"	"	"	after
8	Liquid measure	Out of order			
74	Measuring pumps	Tested and sealed without correction			
45	Measuring pumps	"	"	"	after
12	Measuring pumps	Out of order			
285	Certificates issued.				
300	Establishments visited.				

<u>TOTAL</u>	1,472	Tested and sealed without correction
	142	Tested and sealed after correction
	57	Tested and found out of order
	6	Tested and condemned.

### Apiary Report

- 4,544 colonies of bees in 237 apiaries were registered with this office during 1938.
- 560 colonies of bees in 6 apiaries, with proper certification were admitted into Glenn County from other counties.
- 2,597 colonies of bees in 37 apiaries were moved from other counties into Glenn County to registered seasonal locations.
- 1,564 colonies of bees in 15 apiaries were certified to move from Glenn County to other counties in California.
- 2,139 colonies of bees in 31 apiaries were moved out of Glenn County to registered seasonal locations in other counties.
- 1,908 colonies of bees in 71 apiaries were inspected during the year 1938.
- 32 colonies of bees in 16 apiaries were found to be infected with American Foulbrood and were destroyed by burning.
- 8 colonies of bees in 5 apiaries were found to be infected with European Foulbrood.
- 4 colonies of bees in 2 apiaries were found to be infected with Sacbrood.
- 22,152 pounds of package bees were shipped to other states and Canada during 1938.
- 253 tons of honey were shipped out of Glenn County in 1938.

### Poison Distributed

A total of 536 packages of poison was distributed throughout the county during 1938. Poison was distributed for squirrel control, rat and mice control, gopher control, grasshopper and cricket control.

Approximately 12,000 pounds of prepared grasshopper bait was distributed and spread for the control of grasshoppers and crickets.

A total of 5,250 baits were distributed during a rat control campaign in December of 1938. Very favorable results were reported.

### Inspections and Calls

A total of 5,481 calls and inspections were made in 1938. These calls were made on rodent, weed and pest control, orchard and garden inspections and problems, seed inspections, apiary inspections, standardization certification, nursery inspection and quarantine, and weights and measures work.

### General Summary of Crop Conditions for the year 1938.

In comparing the year 1938 with the year 1937 there was considerable change and fluctuation both in the production and shipment of farm products and a wide range in prices received, also, a lighter yield of some commodities. Probably most of this fluctuation in yield can be charged directly to the flood season early in 1938. This had a direct bearing on rice, barley and wheat as the ground continued so wet after the high-water that grain that had already been planted produced a very light crop and some grain planted unusually late in the spring did not do as well as might normally have been expected. In addition to the short grain crops, tree crops were similarly affected. Apricots, peaches and walnuts were below the previous year's production.

### Lambs and Wool

Lambs and wool have held nearer to the level of the 1937 production and as a consequence it is the county's No. 1 crop in value for the year 1938. Pleasant, balmy weather has been especially favorable during the lambing season. Just enough rain has fallen to bring pastures up to a reasonable satisfactory level. However, continued rains are essential to insure sufficient feed as heavier demands are made on feed as the lambs increase in size.

### Grain

A total of 631,370 bags of grain (barley, wheat, rice, oats and milo) was shipped out of the county during 1938. These figures do not represent the total sacks of grain produced during 1938, but rather the amount that was shipped from storage warehouses. Glenn County is fortunate in being so well supplied with such large storage facilities allowing farmers to hold or sell their crops as the market demands.

### Dairying

The total butterfat shipments for 1938 were a little less than was shipped in 1937. Prices paid for butterfat fluctuated generally at a lower price than was received during the previous year. One of the main reasons for lighter production was a shortage of feed for the most part and inability of many farmers to produce hay for winter use.

### Dairying - continued.

A great deal of credit is due the Federal Government through the Farm Security Administration under the able leadership of Mr. A. V. Schenck. This division has helped to stabilize a great many farmers through loans at a low rate of interest. His department has also helped to establish farmers on small farms thus preventing many additional worthy people from being forced on to relief rolls through lack of financial ability to get started on their own.

### Ladino

A few years ago a small acreage was planted to Ladino clover, since that time the acreage has continued to increase. It is one of the most productive forage pastures in use today. Ladino is primarily a pasture crop and is not cut for hay; however, because of the newness of this crop and the increased demand many growers in the county are producing Ladino clover seed. This year several thousand pounds of seed was harvested and sold at a price ranging from 50¢ to 75¢ per pound at the farm. After threshing Ladino makes a fair hay but it is not relished by the stock. Salting or adding molasses stimulates its palatability. Ladino clover does well on marginal land and stands pasturing very well, and is especially a boon to the sheep and dairy industry. More land is being planted to Ladino as increased demands are made for pasture. However, growers should plant alfalfa for winter use on all land suitable for its growth.

### Poultry and Eggs

Poultry, one of the county's most valuable crops, has had an especially good season. While the egg production is down nearly 50% under last year's total this is also true in many other districts of the state, consequently producers have enjoyed the highest prices for eggs that have been paid over a long period of time. In addition to the income from eggs, live and dressed poultry and turkeys have had a better season than last year with a total of 3,092,208 pounds being shipped. This is over half a million pounds more than was shipped last year and at better prices.

### Tree Crops

As most of the apricot crop was dried this year less tonnage was shipped as fresh fruit.

There was an increase of about 300,000 pounds in the almond crop over 1937. Price returns received were slightly under those received the previous year.

The pear crop was of much better quality and a heavier yield was obtained over last year. A total of 56,689 boxes of pears were shipped, a large part of the crop was packed for export.

### Tree Crops - continued.

Oranges enjoyed a much more favorable season this year over last year. The season in this district was earlier than usual with harvest starting November 16. The early harvest this season gave this district an advantage over southern California oranges as orange harvest in the southern part of the state started late in December. This year the crop from this district enjoyed a favorable advantage in that most of the crop was put on the markets between Thanksgiving and Christmas. Shipments were some higher with 55,380 packed boxes making the seasons total. A frost early in November did a little damage to orchards in one district. The injury was confined chiefly to the leaves with very little effect on the fruit.

Prunes constituted the county's No. 1 abnormal crop as far as production was concerned with two million pounds more of dried prunes being shipped this year over last.

Walnuts, with a total of 707 acres in the county, is one of the most hardy tree crops when planted on suitable soil, and has fine future prospects so far as production is concerned. The general light walnut crop this season has resulted in farmers receiving good prices for their crop.

### Sugar Beets

The Holly Sugar Company at Hamilton City harvested approximately the same number of acres of sugar beets this year as the previous season. As it is necessary to rotate sugar beet plantings after two or three years to other land and in order for Glenn County to continue to participate in sugar beet cropping new developments will be necessary in order to plant additional acreage to sugar beets and other row crops. In order to increase the acreage for specialty crops much land that is now being dry farmed will of necessity have to be levelled and checked suitable for irrigation as it is necessary to irrigate in order to guarantee a reasonable yield.

### Pest Control

Because of the heavy rains during the spraying season little spraying was done for mothole fungus; however, where spraying was done good control was generally obtained and damage was nominal both to almonds and apricots.

Brown rot does a great deal of damage each year. Because of weather conditions the spray schedule for both almonds and apricots was interfered with, consequently a heavy infection occurred in many orchards in the district. Serious losses were reported on Drake almond and Blenheim apricots.

## Pest control - continued.

An increase of the peach twig borer, which causes wormy almonds, was found throughout the district particularly where no regulated control program had been practiced. This insect is seldom observed by the average orchardist, it is a dark, silvery moth less than one-half inch in length. The damage is done by the over-wintering larvae or worm, that over-winter in tiny cocoons in the rough bark or tree crotches. At the time the leaf buds open these worms leave their winter sleeping quarters and forage for food, starting at the leaf axels they bore down into the stem causing twig die-back. Many of the later emerged worms enter the young fruit of the peach, apricot or almond through the stem causing wormy fruit or nuts. This is one of the insects that is gradually increasing and caused as much as 10% loss in some orchards last season.

Almond or brown mite showed a slight build-up in several orchards this past year but little damage was observed. Dusting with sulphur is the general control for red spider or mites.

Citricola scale infestations have been found in most of the orange and grapefruit orchards in this district. A heavy increase has been observed where no treatment has been applied or used. We are very fortunate that no red or yellow scale has thus far been found.

Citrus thrips caused some damage on citrus.

Cottony cushion or fluted scale has been reported by a great many home owners where the scale has become established on shrubs and other ornamental plantings. All sprays have given good control.

Diabrotica or cucumber beetles have been a serious menace both on garden and field crops. Calcium Arsenate and Derris dusts were used with very good results in the control of this pest.

Border line plant bugs, crickets and grasshoppers constituted a most serious nuisance this past season. Different types of control measures were practiced on the various pests mentioned with reasonably satisfactory results.

## Rodent Control

Rodent work has been carried on throughout the season with the distribution of 3,000 pounds of poison barley to farmers, for squirrel control, who in turn applied it on their own ranches. Some work has been done along river levees and along county highways by inspectors from this office.

#### Rodent Control - continued.

The rat population has increased over previous seasons, not only doing a great deal of damage to stored grain, through the loss of small chickens, but became a general nuisance around ranch homes and city dwellings. During the month of December several thousand rat baits, using red squill as the lethal agent, were distributed throughout the southern part of the county. The results obtained were very satisfactory considering the low cost of materials used.

#### Weed Control

From early in April to the middle of November this Department utilized a WPA crew on weed work. During that time measures were used to control Russian Knapweed, Johnson Grass, Puncture vine, Hoary Cress and Star thistle. There were 13,083 man hours put in by WPA workers; materials used were 7,348 gallons of oil, 760 pounds of Sodium Chlorate and 135 gallons of carbon bisulphide. Puncture vine was kept well under control on county roads. Other perennial weed pests that will be necessary to combat over a long period of time are Johnson Grass and Russian Knapweed. Star thistle has apparently adopted Glenn County as its home as it is more firmly entrenched here than in any other county in the State. A new chemical just developed, di-nitro-creosol, gives promise of a forward step in the control not only of star thistle but wild mustard as well.

#### Appreciation

At this time I wish to express my appreciation for the friendly co-operation and help received at all times from the Board of Supervisors, from other county officers, and from the many farm distributing agencies who have helped to make this report possible.

Respectfully submitted,

P. V. HARRIGAN  
P. V. Harrigan  
Agricultural Commissioner  
County Department of Agriculture

### 1938 FARM PRODUCTION

The following farm products, by-products and livestock were shipped out of Glenn County during the year 1938:

319,323	bags	barley
84,450	bags	wheat
207,968	bags	rice
15,728	bags	milo
3,901	bags	oats
2,380	tons	baled alfalfa hay
43	sacks	Ladino clover seed
21,630,687	pounds	sugar
37	tank cars	molasses for refining
2,094,980	pounds	butterfat
406,307	dozen	eggs
58,000	dozen	turkey eggs for hatching
1,200	dozen	hatching eggs
335,474	pounds	live poultry
437,371	pounds	dressed poultry
2,319,362	pounds	dressed turkeys
1,397	head	fat steers
4,208	head	feeder cattle
1,486	head	cattle
192	head	cows
54		bulls
394		veal calves
33		dressed calves
977,287	pounds	wool
3,796		sheep
57,612		lambs
2	bales	sheep pelts
31,588	head	hogs
22,152	pounds	package bees
56,689	boxes	pears
424,000	pounds	dried peaches
20,476	boxes	apricots (20-lb. boxes)
86,042	pounds	dried apricots

1938 Farm Production (Continued):

5,152,392	pounds dried prunes
30,500	pounds dried figs
27,955	pounds juice grapes
22	lugs persimmons
63,597	boxes oranges
615	boxes grapefruit
40	boxes lemons
1,521,584	pounds almonds in shell
1,468	sacks almonds in shell
77,524	pounds almond meats
62,346	pounds walnuts in shells
17,677	pounds walnut meats
188,821	pounds green olives
276,000	pounds oil olives
418	gallons olive oil
271	barrels processed olives
	(32 gal. bbl.)

## 1938 - CROP VALUATIONS

Barley	\$439,255.30
Wheat	135,120.00
Rice	270,358.40
Milo	22,019.20
Oats	4,681.20
Sugar	869,231.48
Molasses	16,560.00
Butterfat	523,747.00
Eggs	89,387.54
Turkey eggs	8,700.00
Hatching eggs (turkey)	720.00
Live poultry	162,935.32
Dressed poultry	109,342.75
Dressed turkeys	672,614.98
Olives	4,725.00
Oil olives	6,900.00
Olive Oil	1,045.00
Processed Olives	8,672.00
Pears	70,871.25
Dried peaches	21,200.00
Apricots	8,190.40
Dried apricots	6,022.94
Dried prunes	77,285.88
Dried figs	1,220.00
Juice grapes	140.00
Watermelons	1,885.00
Persimmons	44.00
Oranges (boxes)	89,035.80
Grapefruit	901.00
Lemons	56.40
Almonds in shell	167,374.24
Sacks almonds in shell	161.48
Almond meats	19,381.00
Walnuts in shells	6,234.60
Walnut meats	3,888.94
Wool	224,776.01
Sheep	1,011,388.00
Lambs	368,716.80
Fat steers	154,368.50
Feeder cattle	218,816.00
Heat cattle	83,216.00
Head cows	10,752.00
Bulls	5,184.00
Veal calves	3,546.00
Dressed calves	297.00
Head hogs	61,150.40
Sheep pelts	125.00
A lfalfa hay	26,180.00
Ladino clover seed	18,225.00
Package bees	6,645.60
Dairy cattle	812,500.00