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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Glenn County

1937-1942

California County Agricultural Commissioners' Reports from the California Department of Food and Agriculture. This collection consists of annual crop and livestock data from each of the 58 California Counties. The collection covers 1915-1981; digitization of the rest of the collection is forthcoming.

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GLENN COUNTY

1937 - 1981



1937

TO THE HONORABLE BOARD OF SUPERVISORS
OF GLENN COUNTY, CALIFORNIA

ANNUAL REPORT--1937

The following goods were inspected and passed into Glenn County during the calendar year of 1937:

6,481	Ornamentals
194	Roses
5,322	Bulbs, corms, tubers, etc.
157	Bedding plants
149	Flats Bedding plants
1,606	Vegetable plants
134	Flats Vegetable plants
1,676	Berry plants
10	Cuttings
303	Grapevines
52	Citrus and subtropical trees
10,652	Deciduous fruit trees
26,023	Nut trees
636	Packets of vegetable and flower seeds
266	Sacks alfalfa seed
150	Sacks Sudan Grass Seed
135	Sacks corn and sorghum seed
87	Sacks Ladino clover seed
7	Sacks White clover seed
4	Sacks Alsike clover seed
1	Sack Sour clover seed
6	Sacks Burr clover seed
2	Sacks White Dutch clover seed
1	Sack Strawberry clover seed
1	Sack Mel Alba (clover) seed
1	Sack Red clover seed
5	Sacks Miscellaneous clover seed
151	Sacks common Vetch seed
58	Sacks Purple vetch seed
2	Sacks Hairy vetch seed
6	Sacks Italian Ryegrass seed
5	Sacks Perennial Ryegrass seed
18	Sacks Ryegrass seed
5	Sacks Cow Peas seed
10	Sacks Austrian Field Peas seed
2	Sacks Italian Field Peas seed
5	Sacks Kentucky Bluegrass seed
8	Sacks Bermuda grass seed

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18	Sacks Ryegrass seed
5	Sacks Cow Peas seed
10	Sacks Austrian Field Peas seed
2	Sacks Italian Field Peas seed
5	Sacks Kentucky Bluegrass seed
8	Sacks Bermuda grass seed
4	Sacks Lawn grass seed
1	Sack Orchard Grass seed
1	Sack Evergreen pasture mix seed
14	Sacks Grass seed
1	Sack Canary Grass seed
6	Sacks Dallis Grass seed

Continued from page 1.

- 1 Sack Millet seed
- 6 Sacks hape seed
- 1 Sack Peanut seed
- 3 Sacks Pumpkin seed
- 1 Sack Sunflower seed
- 6 Sacks Soy Bean seed
- 2 Sacks Bean seed
- 1 sack Turnip Seed
- 3 Sacks Onion sets
- 2 Sacks Carrot seed
- 1 sack Lespedeza seed
- 1 Sack Sesbania seed
- 1 Sack Mangel Wurtzer seed
- 10 Sacks Fenugreek seed
- 1 sack Peterite seed
- 9 Sacks Miscellaneous seed

- 10 Scions, Pistachip Graftwood

- 22 Carloads baled hay

The following rejections were made on the above shipments:

- 207 Nut trees, infested with Crowngall and
infested with Borers.

Violation of the Section 124 of the
Agricultural Code.

- 119 Deciduous fruit trees, infested with Crowngall and
infested with Borers.

Violation of Section 124 of the
Agricultural Code.

- 288 Bales alfalfa hay infested with puncture vine.

Violation of section 125 of the
Agricultural Code.

1 Sack Peanut seed
3 Sacks Pumpkin seed
1 Sack Sunflower seed
6 Sacks Soy Bean seed
2 Sacks Bean seed
1 Sack Turnip Seed
3 Sacks Onion sets
2 Sacks Carrot seed
1 Sack Lespedeza seed
1 Sack Sesbania seed
1 Sack Mangel Wurtzer seed
10 Sacks Fenugreek seed
1 Sack Feterite seed
9 Sacks Miscellaneous seed

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infested with Borers.

Violation of Section 124 of the
Agricultural Code.

288 Bales alfalfa hay infested with puncture vine.

Violation of section 125 of the
Agricultural Code.

The following goods from other states were inspected and passed into Glenn County during the year of 1937:

2,817	Ornamentals
275	Roses
6,646	Bulbs, corms, tubers, etc.
1,738	Berry plants
310	Vegetable plants
24	Hoiseradish plants
3,557	Bedding plants
1,345	Packets vegetable and flower seeds
66	Sacks Common vetch seed
10	Sacks Purple vetch seed
8	Sacks Alfalfa seed
7	Sacks Soy Bean seed
1	Sack Corn seed
6	Sacks cow Peas seed
2	Sacks Canary Grass seed
3	Sacks Millet seed
4	Sacks Proso seed
2	Sacks Lepejeza seed
1	Sack Feterita seed
4	Sacks pens seed mixture
1	Sack seed potatoes
2	Sacks miscellaneous seed
1	Package cut English Holly
4	Baskets Utah celery
8	Boxes apples
6	Carloads potatoes

The following rejections were made on the above shipments :

5 Ornamentals

Violation of section 115 of the
Agricultural Code of the State of
California.

1 Sack alfalfa seed

Violation of section 115 of the
Agricultural Code of the State of
California.

275 Roses
 6,646 Bulbs, corms, tubers, etc.
 1,738 Berry plants
 310 Vegetable plants
 24 Horseradish plants
 3,557 Bedding plants
 1,345 Packets vegetable and flower seeds
 66 Sacks Common vetch seed
 10 Sacks Purple vetch seed
 8 Sacks Alfalfa seed
 7 Sacks Soy Bean seed
 1 Sack Corn seed
 6 Sacks cow Peas seed
 2 Sacks Canary Grass seed
 3 Sacks Millet seed
 4 Sacks Proso seed
 2 Sacks Lespedeza seed
 1 Sack Feterita seed
 4 Sacks pons seed mixture
 1 Sack seed potatoes
 2 Sacks miscellaneous seed

 1 Package cut English Holly
 4 Baskets Utah celery
 8 Boxes apples
 6 Carloads potatoes

The following rejections were made on the above shipments :

5 Ornamentals

Violation of section 115 of the
 Agricultural Code of the State of
 California.

1 Sack alfalfa seed

Violation of section 115 of the
 Agricultural Code of the State of
 California.

The following farm products, by-products and livestock were shipped out of Glenn County during the year 1937:

417,192	bags barley
11	carloads bulk barley
83,575	bags wheat
2	carloads bulk wheat
381,761	bags rice
15,469	bags milo
11,654	bags oats
1,517	pounds flax seed
25,159,950	pounds sugar
31	tank cars molasses for refining purposes
2,237,737	pounds butterfat
832,708	dozen eggs
8,564	dozen turkey eggs(incomplete)
282,362	pounds live poultry
600,490	pounds dressed turkeys
1,070,230	pounds dressed turkeys
3,388	barrels Greek olives
17	cases olive oil
473,226	pounds green olives
400,000	pounds oil olives
45,550	boxes oranges
32,707	pounds shelled black walnut meats
155	pounds black walnuts in the shells
252,489	pounds English walnuts in the shells
475	pounds shelled English walnuts meats
499,300	pounds shelled almond meats
1,156,101	pounds almonds in the shells
3	carloads almonds in the shells
55	pounds pecans

83,575	bags wheat
2	carloads bulk wheat
381,761	bags rice
15,469	bags milo
11,654	bags oats
1,517	pounds flax seed
25,159,950	pounds sugar
31	tank cars molasses for refining purposes
2,237,737	pounds butterfat
832,708	dozen eggs
8,564	dozen turkey eggs(incomplete)
282,362	pounds live poultry
600,490	pounds dressed turkeys
1,070,930	pounds dressed turkeys
3,388	barrels Greek olives
17	cases olive oil
473,226	pounds green olives
400,000	pounds oil olives
45,550	boxes oranges
32,707	pounds shelled black walnut meats
155	pounds black walnuts in the shells
252,489	pounds English walnuts in the shells
475	pounds shelled English walnuts meats
499,300	pounds shelled almond meats
1,156,101	pounds almonds in the shells
3	carloads almonds in the shells
55	pounds pecans
525,000	pounds watermelons (21 carloads)
412	pounds persimmons

Continued from page 4.

475,029	pounds dried peaches
9	carloads fresh peaches
550	tons green apricots
296,194	pounds dried apricots
68,559	pounds apricot pits
16,780	packed boxes fresh pears
1,578	unpacked lugs fresh pears
146,600	pounds juice grapes
57,740	pounds fresh grapes
112	pounds raisins
28,780	pounds dried figs
3,186,871	pounds dried prunes
66,842	head lambs and feeders
4,680	head sheep
1,318,816	pounds wool
5,086	sheepskins
443	pounds mohair
44,251	head hogs
3,734	head cattle
281	Calves
4,378	tons baled hay

550	tons green apricots
296,194	pounds dried apricots
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5,086	sheepskins
443	pounds mohair
44,292	head hogs
3,734	head cattle
281	Calves
4,378	tons baled hay

Weights and Measures Report

28	Counter scales	Tested and sealed without correction
50	Spring scales	" " " " "
62	Computing scales	" " " " "
195	Platform scales	" " " " "
57	Wagon & stock scales	" " " " "
58	Miscellaneous scales	
3	Counter scales	Tested and sealed after correction
6	Spring scales	" " " " "
10	Computing scales	" " " " "
31	Platform scales	" " " " "
6	Wagon & Stock scales	" " " " "
4	Miscellaneous scales	
2	Spring scales	Out of order
7	Computing scales	" " " "
11	Platform scales	" " " "
3	Miscellaneous scales	
1	Computing scales	Condemned and Confiscated
880	Weights	Tested and sealed without correction
26	Weights	Tested and sealed after correction
30	Weights	Out of order
190	Liquid measures	Tested and sealed without correction
1	Liquid measure	Tested and sealed after correction
1	Liquid measure	Out of order
126	Measuring pumps and meters	Tested and sealed without correction
51	Measuring pumps and meters	Tested and sealed after correction
31	Measuring pumps and meters	Out of order
386	Certificates issued during 1937	
379	Establishments visited in scale testing work in 1937	
TOTAL	1,646	Tested and sealed without correction
	138	Tested and sealed after correction
	85	Tested and found out of order
	1	Tested and condemned

57	Wagon & Stock scales	"	"	"	"	"
58	Miscellaneous scales	"	"	"	"	"
3	Counter scales	Tested and sealed after correction				
6	Spring scales	"	"	"	"	"
10	Computing scales	"	"	"	"	"
31	Platform scales	"	"	"	"	"
6	Wagon & Stock scales	"	"	"	"	"
4	Miscellaneous scales	"	"	"	"	"
2	Spring scales	Out of order				
7	Computing scales	"	"	"		
11	Platform scales	"	"	"		
3	Miscellaneous scales	"	"	"		
1	Computing scales	Condemned and Confiscated				
880	Weights	Tested and sealed without correction				
26	Weights	Tested and sealed after correction				
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379	Establishments visited in scale testing work in 1937					
	TOTAL	1,646	Tested and sealed without correction			
		138	Tested and sealed after correction			
		85	Tested and found out of order			
		1	Tested and condemned			

Apiary Inspection Report

5,529 colonies of bees in 288 apiaries were registered with this office during 1937.

120 colonies of bees in one apiary, with proper certification were admitted into Glenn County from another state.

a 2,242 colonies of bees in 33 apiaries, with proper certification were admitted into Glenn County from other counties.

2,102 colonies of bees in 27 apiaries were properly certified to move from Glenn County to other counties in California.

5,064 colonies of bees in 184 apiaries were inspected during the year 1937.

77 colonies of bees in 35 apiaries were found to be infected with American Foulbrood and were destroyed by burning.

32 colonies of bees in 13 apiaries were found to be infected with European Foulbrood.

46 colonies of bees in 15 apiaries were found to be infected with Sacbrood.

16,913 Pounds of package bees were shipped to other states and Canada during the 1937 season.

1,000 extra queens were shipped to other states and Canada during 1937.

260 Tons of honey was the estimated production for 1937.

Poison Distributed

A total of 529 packages of poison was distributed throughout the county during 1937. Poison was distributed for squirrel control, rat and mice control, and gopher control. A few experiments were made on sparrow and linnet control where it was determined that they were doing serious damage to orchards.

Inspections and Calls

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Inspections and Calls

A total of 2,824, calls and inspections were made between March 1 and December 31, 1937. These calls were made on rodent, weed and pest control, orchard and garden inspection problems, seed inspections, apiary inspections, standardization certification, and nursery inspection calls.

General Summary

In making my first annual report to the Board of Supervisors it is not possible to use this report in comparison with other seasons, and as a consequence we will be unable to check the conditions of 1937 versus the years of the past.

I am impressed to believe that crop conditions in Glenn County for 1937 were without a doubt as favorable to the farmers as it was possible to expect. Crops for the most part produced unusually heavy yields, with a very minimum of insect pests and plant diseases. I feel assured that the citizens cannot help but be impressed with the heavy shipments of crops produced in Glenn County. This report does not include the vast quantities of local grown commodities which were consumed locally.

In reporting the outgoing shipments care has been taken to use actual figures. Without a doubt large quantities have moved to market which were not reported to this office. In an effort to arrive at the value of the crops produced in Glenn County a very conservative valuation has been put on these commodities. In this report only the value of the five major crops is reported.

Grain.

A total of 920,250 bags of barley, rice, wheat, oats and milo, was shipped to market in 1937. Grain heads the list as the most valuable crop in the county, with a total value of \$1,189,077.00.

Lambs and Wool

A total of 71,522 head of lambs and feeder sheep, 1,318,816 pounds of wool, and 5,086 sheep pelts, make up the county's No. 1 most valuable crop with a gross value of \$958,961.00. This does not take into consideration the thousands of sheep remaining in the county. These figures only indicate the value of the commodity shipped to market.

Dairying

Dairying, the third most valuable industry in the county, had a total return of \$850,340.00 for milk products only. Calves shipped to market and dairy cows kept on the farms are not figured in this total.

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Grain

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Lambs and Wool

A total of 71,522 head of lambs and feeder sheep, 1,318,816 pounds of wool, and 5,086 sheep pelts, make up the county's No. 2 most valuable crop with a gross value of \$958,961.00. This does not take into consideration the thousands of sheep remaining in the county. These figures only indicate the value of the commodity shipped to market.

Dairying

Dairying, the third most valuable industry in the county, had a total return of \$850,340.00 for milk products only. Calves shipped to market and dairy cows kept on the farms are not figured in this total.

Poultry and Eggs

Poultry, Glenn County's fourth most valuable crop, is made up chiefly of 841,272 dozen chicken and turkey eggs, 882,852 pounds of live and dressed poultry which consists principally of chickens, and 1,670,930 pounds of dressed turkeys. The valuation placed on the poultry and egg shipments for 1937 is \$703,350.00.

Fruit and Nut Crops

The fruit and nut crops make up the fifth most valuable farming industry. Almonds, walnuts, citrus, olives, apricots, peaches, pears, and prunes, make up the principal crops figured in this classification. The combined total returns for 1937 was \$661,351.00

Other Crops

There are other valuable crops, the principal of which is the sugar beet industry. This report does not include sugar beet returns because a large amount of the beets milled at Hamilton City were grown in Butte, Tehama and Colusa counties.

Pests and Diseases.

Crops chiefly affected with insect pests during the 1937 growing season was also maize which was infested with corn flies. Every field was more or less infested. Predacious lady bird beetles helped keep the infestations in check, so there was no mechanical control feasible to be applied.

In the Hamilton City section some of the sugar beet fields were severely injured by infestations of sugar beet flies. This flies work on the roots of the plant. Very little control could be practiced except regular irrigation and cultivation.

There were some infestations of brown mite on almonds, red spider on walnuts, peach twig borer in peaches, and citrus thrips on oranges. The infestations were for the most part light and did minor damage. Some spraying was done for controlling red spider and peach twig borer.

Brown rot of apricots, shot-hole fungus in almonds, and curly leaf in peaches, were the chief diseases reported during the 1937 season. For the most part nearly every orchard was sprayed one or more times, using standard fungicides for the control of these diseases. Insect pests were controlled at the same time by including arsenite of lead in the spray.

Weed and Rodent Control

Klamath weed, morning glory, white horse nettle, hoary cress, Johnson grass and puncture vine were the main weed pests concentrated on during the 1937 growing season. Due to the WPA weed control project in this county a great deal of this work was done by hand labor. Chemicals used were: diesel oil, acid arsenicals, sodium chlorate, and carbon bisulfide. Diesel oil is used to kill the top growth of plants. Acid arsenicals are applied to the top of the plant

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Weed and Rodent Control

Klamath weed, morning glory, white horse nettle, hoary cress, Johnson grass and puncture vine were the main weed pests concentrated on during the 1937 growing season. Due to the WPA weed control project in this county a great deal of this work was done by hand labor. Chemicals used were: diesel oil, acid arsenicals, sodium chlorate, and carbon bisulfide. Diesel oil is used to kill the top growth of plants. Acid arsenicals are applied to the top of the plant and taken to the roots through the top growth. Sodium chlorate.

Weed and Rodent Control, continued,

is either applied on the plant or on the ground. This chemical is diffused through the soil, comes in contact with the roots and is fed to the plant through the roots and in this way good control can be had. Rain, weather or irrigation helps to accentuate the value of this chemical because it drives it into the ground. Carbon bisulphide is a fumigant type of weed killer. The soil above and around the roots of the plants are impregnated with this chemical. The gas is diffused to the root growth and killing action is rapid. The only deterrent to the use of this chemical is its high cost.

The weed spray machine was purchased in September and made possible the control of puncture vine on nearly all county highways, some infestations being treated the second time. Early rains in the fall forced the discontinuation of the weed work before it was completed.

A total of 2,992 pounds of poison barley was distributed free to farmers. Most of this barley was put out by the individual owners, representing a total of 143,612 acres treated. A total of 150 ounces of strychnine and 128 ounces of Barium Carbonate was used during 1937.

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
Agricultural Commissioner
County Department of Agriculture

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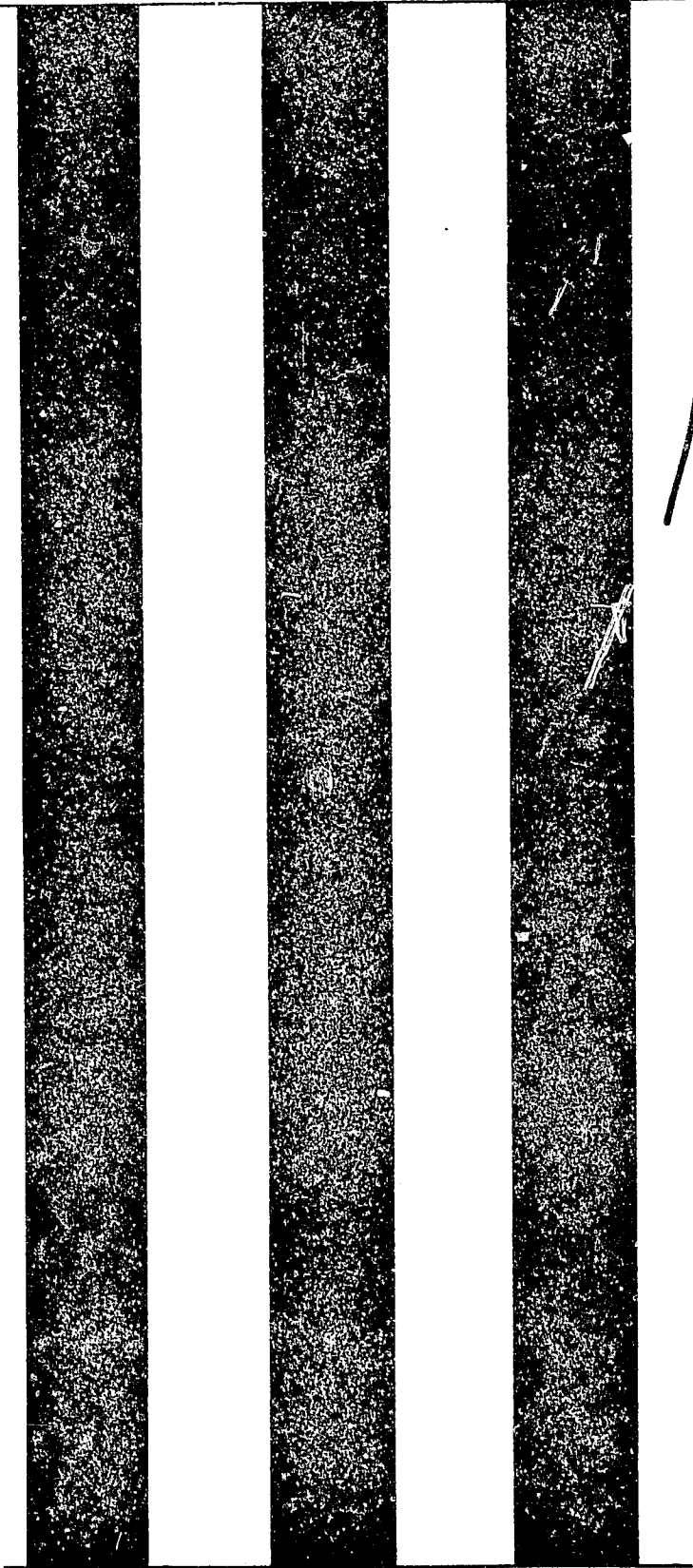
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Respectfully submitted,

P. V. Harrigan
Agricultural Commissioner
County Department of Agriculture



1938

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 Chilean 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

TO THE HONORABLE BOARD OF SUPERVISORS

OF GLENN COUNTY, CALIFORNIA

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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.
3,574	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
671	Citrus and Subtropical trees
400	Citrus seedlings
1,478	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 Chilean 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 corniculatus seed

The following rejections were made on the above shipments:

100 Bulbs, infested with mealybugs.
7 Deciduous fruit trees, infested with Crownkall.
93 Nut trees, infested with Crownkall.
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.

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 corniculatus seed

The following rejections are made on the above shipments:

- 100 Bulbs, infested with mealybugs.
- 7 Deciduous fruit trees, infested with Crown gall.
- 93 Nut trees, infested with Crown gall.
- 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.

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.
2,763	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.

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
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
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	watermelons
22	lugs	persimmons
63,597	boxes	oranges
615	boxes	grapefruit

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
406,327	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 watermelons
22	lugs persimmons
63,597	boxes oranges
615	boxes grapefruit
40	boxes lemons

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
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
2,319,369	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 watermelons
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
977,287	pounds wool
3,796	sheep
57,612	lambs
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
2	bales sheep pelts
2,380	tons baled alfalfa hay
43	sacks Ladino clover seed
22,152	pounds package bees

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
977,287	pounds wool
3,796	sheep
57,612	lambs
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
2	bales sheep pelts
2,380	tons baled alfalfa hay
43	sacks Ladino clover seed
22,152	pounds package bees

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
977,287	pounds wool
3,796	sheep
57,612	lambs
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
2	bales sheep pelts
2,380	tons baled alfalfa hay
43	sacks Ladino clover seed
22,152	pounds package bees

Weights and Measures Report

		Tested and sealed without correction
52	Counter scales	" " " " "
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 confiscated
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

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 confiscated				
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 worms, 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

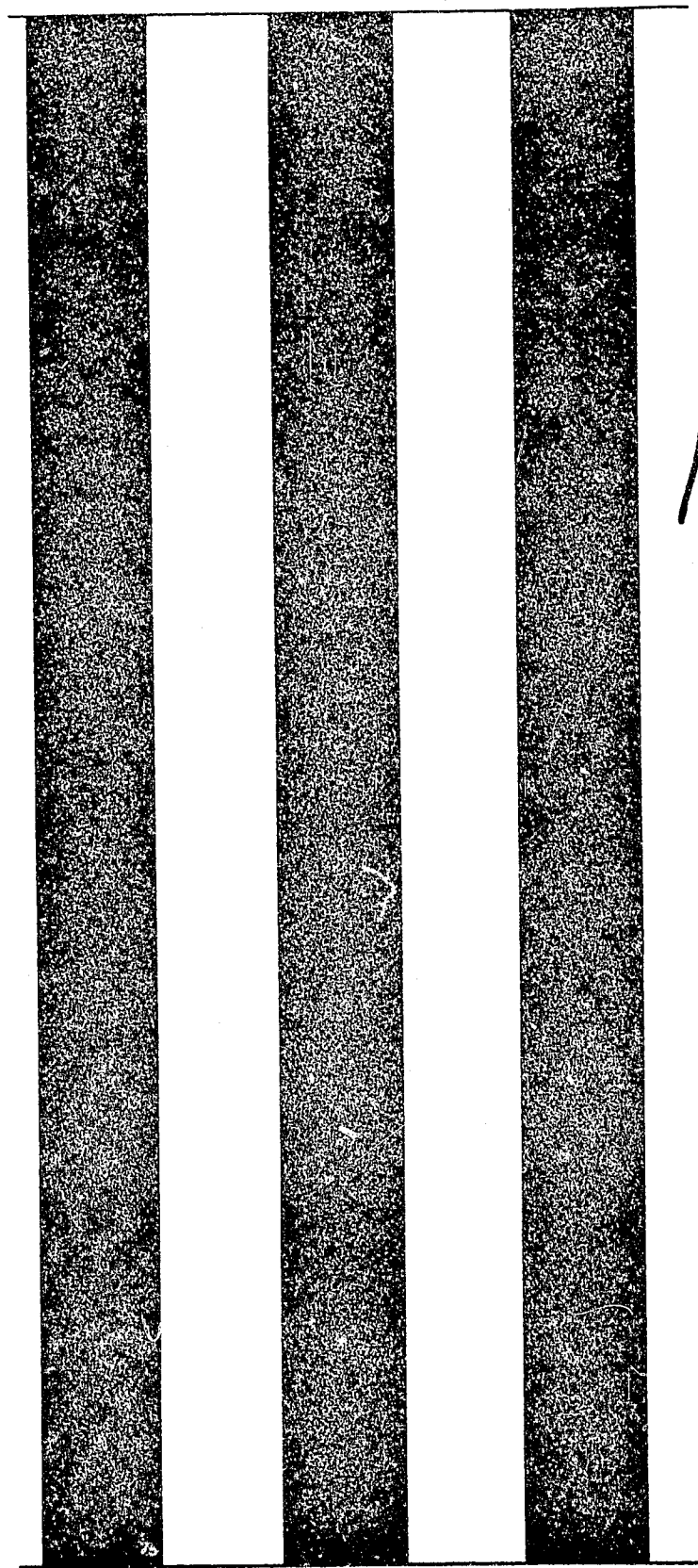
From early in April to the middle of November this Department utilized a WPA crew on weed work. During that time measures were used to control Russian Knapweed, Johnson Grass, Puncture vine, Hoary Cress and Star thistle. There were 13,083 man hours put in by WPA workers; materials used were 7,348 gallons 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-cresol, 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 too 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



1939

TO THE HONORABLE BOARD OF SUPERVISORS

OF GLENN COUNTY, CALIFORNIA

ANNUAL REPORT - 1939

The following goods were inspected and passed into Glenn County during the calendar year of 1939:

3,554	Ornamentals
812	Rose bushes
16,114	Bulbs, corms and tubers
2,072	Bedding plants
79	Flats bedding plants
1,229	Vegetable plants
81	Flats vegetable plants
1,312	Strawberry plants
320	Berry plants
180	Grapevines
5,071	Packets vegetable and flower seed
446	Citrus and subtropical trees
1,049	Deciduous fruit trees
209	Scion wood for grafting
25,067	Almond trees
200	Sacks alfalfa seed
209	Sacks vetch seed
2	Sacks field peas
92	Sacks ladino clover seed
3	Sacks red clover seed
4	Sacks sweet clover seed
7	Sacks white clover seed
3	Sacks strawberry clover seed
83	Sacks maize, milo and sorghum seed
153	Sacks sudan grass seed
6	Sacks Dallas grass seed
10	Sacks orchard grass seed
9	Sacks bluegrass seed
1	Sack Bermuda grass seed
2	Sacks Rhodes grass seed
34	Sacks ryegrass seed
5	Sacks rape grass seed
11	Sacks canary grass seed
15	Sacks Fenugreek seed
12	Sacks mustard seed
2	Sacks garden corn seed
2	Sacks pumpkin seed
2	Sacks onion sets
4	Sacks seed potatoes
1	Sack Harding grass seed
1	Sack bent grass seed
7	Sacks millet seed
37	Sacks cowpeas
5	Sacks lawn mix
3,060	Tons alfalfa hay

There were 54 rejections because of crown gall infection on the above shipments.

The following goods from other states were inspected and passed into Glenn County during the calendar year of 1939:

3,583	Ornamentals
415	Rose bushes
9,545	Bulbs, corms and tubers
3,743	Bedding plants
100	Vegetable plants
3,346	Packets vegetable and flower seed
139	Berry plants
275	Strawberry plants
60	Grapelines
284	Delicious fruit trees
430	Nut trees
9	Sacks alfalfa seed
245	Sacks vetch seed
1	Sack ryegrass seed
1	Sack orchard grass seed
2	Sacks Lespedeza seed
3	Sacks corn seed
1	Sack onion sets
1	Sack proso seed
5	Sacks Atlas Sargo seed
1	Sack crested wheat seed
33	Sacks latino clover seed

One rejection was made on the above shipments:

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

The following farm products, by-products and livestock were shipped out of Glenn County during the year 1939:

317,225	Bags barley
51,737	Bags wheat
368,841	Bags rice
3,205	Bags milo
285	Bags oats
31,109,500	Pounds sugar
112	Tank cars molasses for refining
1,825,885	Pounds butterfat
352,878	Dozen eggs
267,368	Turkey eggs for hatching
430,446	Pounds live poultry
134,173	Pounds dressed poultry
2,022,613	Pounds dressed turkeys
665,769	Pounds green olives
11,252	Gallons olive oil
49,640	Gallons processed olives
20,900	Boxes pears
15,899	Boxes peaches
438,380	Pounds dried peaches
148,000	Pounds fresh apricots
952,707	Pounds dried apricots
196,040	Pounds apricot pits
3,551,892	Pounds dried prunes
78,626	Pounds dried figs
83,338	Pounds persimmons
69,054	Boxes navel oranges
2,484	Boxes valencia oranges
<u>71,538</u>	
500	Boxes grapefruit
11,300	Boxes lemons

(Continued)

2,961,129	Pounds almonds
214,924	Pounds English walnuts
6,251	Pounds black walnut seats
1,016,192	Pounds wool
69	Sheep pelts
27,460	Head sheep
100,452	Head lambs
420	Feeder cattle
4,650	Head fat cattle
1,025	Head milk cows
28	Bulls
1,800	Veal calves
44,224	Head hogs
60,674	Pounds ladino clover seed
18,430	Pounds package bees
275,000	Pounds honey

EVALUATION ON COMMODITIES SHIPPED

SUGAR

Sugar	\$ 1,399,927.00	
Molasses	235,200.00	\$ 1,635,127.00

CATTLE

Butterfat	\$ 602,542.00	
Fat cattle	513,875.00	
Milk cows	71,750.00	
Feeder cattle	16,460.00	
Veal calves	21,600.00	
Bulls	2,680.00	\$ 1,238,907.00

SHEEP

Lambs	\$ 683,073.00	
Wool	23,758.00	
Sheep	82,387.00	\$ 999,211.00

GRAIN

Rice	\$ 479,493.00	
Barley	362,397.00	
Wheat	94,290.00	
Milo	5,674.00	
Oats	285.00	\$ 942,089.00

POULTRY

Dressed turkeys	\$ 444,974.00	
Chicken eggs	84,690.00	
Live poultry	77,472.00	
Turkey eggs	40,105.00	
Dressed poultry	34,884.00	\$ 682,125.00

HOGS

Hogs	\$ 574,912.00	\$ 574,912.00
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SUGAR

Sugar	\$ 1,399,927.00	
Molasses	235,200.00	\$ 1,635,127.00

CATTLE

Butterfat	\$ 602,542.00	
Fat cattle	513,875.00	
Milk cows	71,750.00	
Feeder cattle	16,460.00	
Veal calves	21,600.00	
Bulls	2,680.00	\$ 1,238,907.00

SHEEP

Lambs	\$ 683,073.00	
Wool	233,758.00	
Sheep	92,380.00	\$ 999,211.00

GRAIN

Rice	\$ 479,493.00	
Barley	362,397.00	
Wheat	94,290.00	
Milo	5,674.00	
Oats	285.00	\$ 942,089.00

POULTRY

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Chicken eggs	84,690.00	
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Turkey eggs	40,105.00	
Dressed poultry	34,884.00	\$ 682,125.00

HOGS

Hogs	\$ 574,912.00	\$ 574,912.00
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(continued.)

FRUITS & NUTS

Dried prunes	\$	106,556.00	
Dried apricots		66,689.00	
Processed olives		37,230.00	
Pears		16,125.00	
Dried peaches		24,169.00	
Olive oil		22,504.00	
Green olives		19,973.00	
Peaches		19,873.00	
Fresh apricots		2,960.00	
Persimmons		2,500.00	
Dried figs		2,358.00	
Apricot pits		2,254.00	
Almonds		66,501.00	
English walnuts		17,193.00	
Black walnut meats		1,875.00	
	\$		618,760.00

CITRUS

Navel oranges	\$	96,675.00	
Valencia oranges		3,477.00	
Lemons		15,820.00	
Grapefruit		700.00	
	\$		116,672.00

LADINO CLOVER

Ladino clover	\$	30,337.00	\$ 30,337.00
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BEES & HONEY

Honey	\$	13,750.00	
Package bees		12,979.00	
	\$		26,729.00

NURSERY TREES

Nursery trees	\$	5,700.00	\$ 5,700.00
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MISCELLANEOUS

Estimated returns to farmers for produce - unreported	\$		550,000.00
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Estimated AAA payments (1938 figures)

Dried prunes	\$ 106,556.00	
Dried apricots	66,689.00	
Processed olives	37,230.00	
Pears	6,125.00	
Dried peaches	24,169.00	
Olive oil	22,504.00	
Green olives	19,973.00	
Peaches	19,873.00	
Fresh apricots	2,960.00	
Persimmons	2,500.00	
Dried figs	2,358.00	
Apricot pits	2,254.00	
Almonds	66,501.00	
English walnuts	17,193.00	
Black walnut meats	1,875.00	\$ 618,760.00

CITRUS

Navel oranges	\$ 96,675.00	
Valencia oranges	3,477.00	
Lemons	15,820.00	
Grapofruit	700.00	\$ 116,672.00

LADINO CLOVER

Ladino clover	\$ 30,337.00	\$ 30,337.00
---------------	--------------	--------------

BEES & HONEY

Honey	\$ 13,750.00	
Package bees	12,979.00	\$ 26,729.00

NURSERY TREES

Nursery trees	\$ 5,700.00	\$ 5,700.00
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MISCELLANEOUS

Estimated returns to farmers for produce - unreported		\$ 550,000.00
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Estimated AAA payments (1938 figures)

Sugar beet conservation	\$ 46,533.00
General AAA payments	157,880.00
Payments under price adjustment act (AAA)	47,629.00
Rice	25,578.00
Wheat	

GRAND TOTAL	\$7,698,189.00
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WEIGHTS & MEASURES REPORT

6	Counter scales	Tested and sealed without correction
149	Spring scales	" " " " "
6	Computing scales	" " " " "
49	Platform scales	" " " " "
15	Wagon and stock scales	" " " " "
16	Miscellaneous scales	" " " " "
8	Computing scales	" " " " after "
18	Platform scales	" " " " "
27	Wagon and stock scales	" " " " "
6	Miscellaneous scales	" " " " "
3	Counter scales	Out of order
3	Spring scales	" " " "
9	Computing scales	" " " "
6	Platform scales	" " " "
3	Wagon and stock scales	" " " "
1	Miscellaneous scale	" " " "
292	Weights	Tested and sealed without correction
7	Weights	" " " after "
20	Weights	Out of order
1	Weight	Condemned and confiscated
45	Liquid measures	Tested and sealed without correction
1	Liquid measure	" " " after "
1	Liquid measure	Out of order
37	Measuring pumps	Tested and sealed without correction
21	Measuring pumps	" " " after "
3	Measuring pumps	Out of order
188	Certificates issued	
193	Establishments visited	

TOTALS:

614	Tested and sealed without correction
88	" " " after "
48	" " found out of order
1	" " condemned

APIARY REPORT

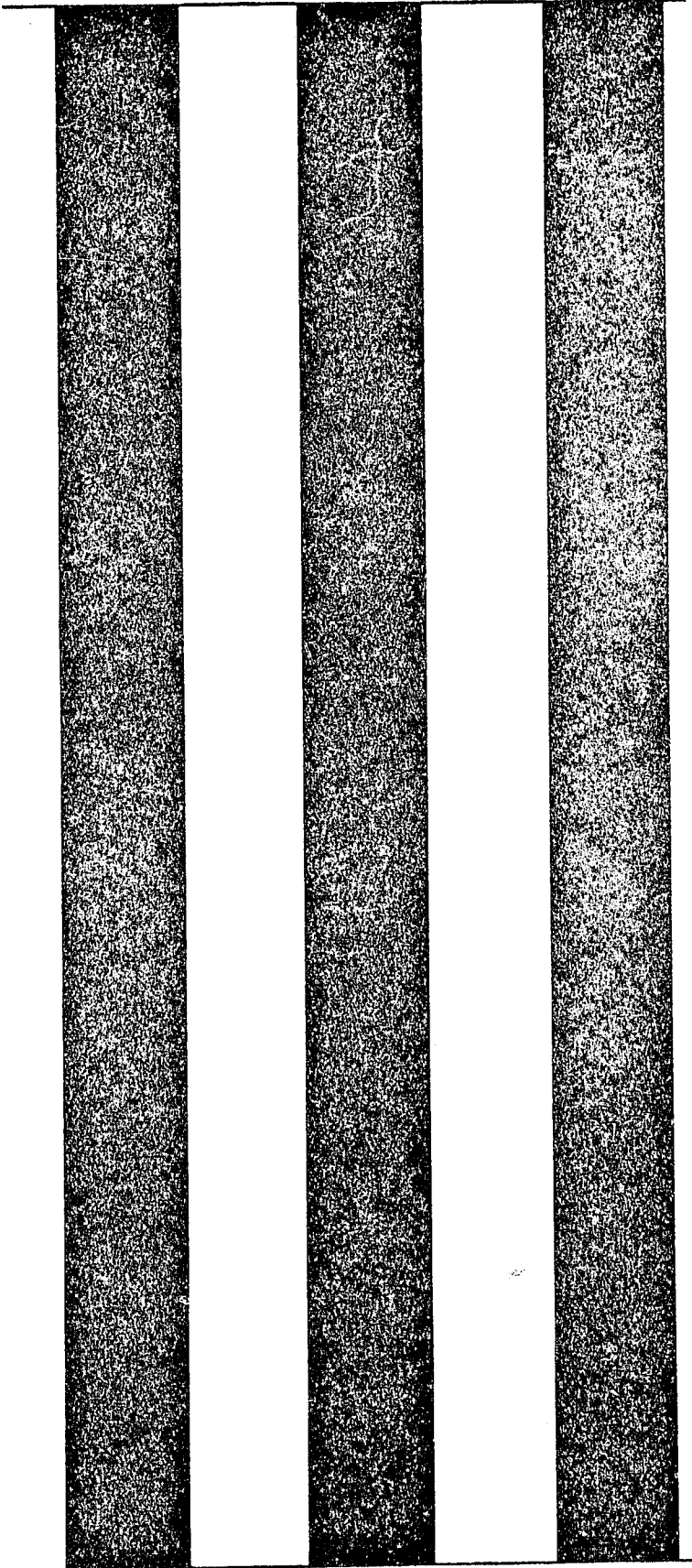
- 5,438 Colonies of bees in 204 apiaries were registered with this office during 1939.
- 235 Colonies of bees in 7 apiaries, with proper certification, were admitted into Glenn County from other counties.
- 509 Colonies of bees in 9 apiaries were moved from other counties into Glenn County to registered seasonal locations.
- 1,006 Colonies of bees in 16 apiaries were certified to move from Glenn County to other counties in California.
- 1,068 Colonies of bees in 21 apiaries were moved out of Glenn County to registered seasonal locations in other counties.
- 2,173 Colonies of bees in 102 apiaries were inspected during the year 1939.
- 56 Colonies of bees in 20 apiaries were found to be infected with American Foulbrood and were destroyed by burning.
- 6 Colonies of bees in 2 apiaries were found to be infected with European Foulbrood.
- 118,430 Pounds of package bees were shipped to other states and Canada during 1939.
- 275,000 Pounds of honey were shipped out of Glenn County in 1939.

POISON DISTRIBUTED

4,500 pounds of poisoned grain were distributed throughout the county during 1939. Poison was used for squirrel control, rat and mice control, gopher control.

Approximately 27,495 pounds of poisoned bran were distributed and spread for the control of grasshoppers and crickets.

14,500 rat baits were given out during the year 1939.



1940

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ANNUAL REPORT

Agricultural Commissioner

COUNTY OF GLENN

1940

P. V. HARRIGAN

P. V. HARRIGAN
County Agricultural Commissioner

COUNTY OF GLENN

OFFICE OF *Agricultural Commissioner*
WILLOWS, CALIFORNIA

January 15, 1941

To the Honorable Board of Supervisors
and W. B. Parker, Director,
State Department of Agriculture

Gentlemen:

Section 65.5 of the Agricultural Code of the State of California states: "The commissioner shall compile reports of the conditions, acreage, production, and value of the agricultural products in his county. The commissioner may publish such reports, and shall transmit a copy thereof to the director."

This is the fourth annual crop report compiled for Glenn County. This report has been made possible through the cooperation of growers, shippers, packers, the Glenn County Soil Conservation Association, local irrigation districts and other county offices.

An endeavor has been made to give a picture of the trend agriculture is taking.

The soil benefit payments are added on to the income to farmers. These payments are not expected to be returned to the government and, as a consequence, are listed as farm income.

May we here express our appreciation for the splendid cooperation which the agricultural department has received at all times from the County Board of Supervisors. Their willing assistance and advice helped in a great measure to make this report and the work represented possible.

Respectfully submitted,



P. V. Harrigan
Agricultural Commissioner

The following goods from other counties in California were inspected and passed into Glenn County during the calendar year of 1940:

3,628	Ornamentals
590	Rose bushes
124	Cactus plants
14,656	Bulbs, corms and tubers
2,757	Bedding plants
147	Flats bedding plants
3,452	Vegetable plants
63	Flats vegetable plants
6,000	Onion sets
1	Sack seed potatoes
77	Berry plants
685	Strawberry plants
3,919	Packets flower and vegetable seed
35	Packets lawn seed
9	Sacks Kentucky bluegrass seed
7	Sacks Astoria bent lawn seed
1	Sack Bermuda grass seed
36	Sacks ladino clover seed
32	Sacks white clover seed
24	Sacks burr clover seed
10	Sacks sour clover seed
7	Sacks birdsfoot trefoil seed
6	Sacks strawberry clover seed
3	Sacks Alsike clover seed
1	Sack red clover seed
141	Sacks Sudan grass seed
20	Sacks ryegrass seed
19	Sacks Dallas grass seed
19	Sacks millet seed
11	Sacks orchard grass seed
2	Sacks Harding grass seed
2	Sacks Michel's grass seed
1	Sack canary grass seed
207	Sacks alfalfa seed
62	Sacks vetch seed
17	Sacks sorghum seed

(Continued)

5 Sacks bean seed
3 Sacks field peas
1 Sack pasture mix

88 Sacks milo seed
3 Sacks sweet corn seed
1 Sack sugar beet seed

6 Sacks rape grass seed
1 Sack alfilaria seed

11,804 Deciduous nut trees
1,050 Deciduous fruit trees

148 Grapevines

117 Citrus and subtropical trees

45 Scion wood for grafting

The following rejections were made on intrastate shipments:

25 Deciduous nut trees
1 Deciduous fruit tree

The following goods from other states were inspected and passed into Glenn County during the calendar year of 1940:

2,375	Ornamentals
200	Rose bushes
58	Cactus plants
6,670	Bulbs, corms and tubers
7,919	Bedding plants
6,052	Vegetable plants
1	Sack seed potatoes
29	Berry plants
325	Strawberry plants
2,782	Packets flower and vegetable seed
1	Sack sugar beet seed
1	Sack cotton seed
7	Sacks alfalfa seed
1	Sack ladino clover seed
1	Sack Alsike clover seed
5	Sacks Michel's ryegrass seed
1	Sack crested wheatgrass seed
20	Sacks vetch seed
7	Sacks Atlas sorghum seed
2	Sacks milo seed
1	Sack rape seed
1	Sack Brome grass seed
43	Deciduous fruit trees
2	Deciduous nut trees
38	Grapevines

The following rejections were made on interstate shipments into Glenn County:

2	Rose bushes
800	Vegetable plants

The following farm products, by-products and livestock were shipped out of Glenn County during the calendar year of 1940:

1,021,352	Bushels (408,541 sacks)	rice
707,272	Bushels (314,343 sacks)	barley
134,422	Bushels (59,743 sacks)	wheat
37,107	Bushels (16,492 sacks)	milo
16,971	Bushels (5,657 sacks)	oats
45,538,000	Pounds	sugar
6,635,000	Pounds	molasses (stock)
1,878,814	Pounds	butterfat
2,818	Head	veal calves
139	Head	milk cows
6,088	Head	fat cattle
44	Head	feeder cattle
253,573	Dozen	chicken eggs
99,500	Turkey	eggs for hatching
1,693,591	Pounds	dressed turkeys
333,548	Pounds	live poultry
1,245,060	Pounds	wool
12,603	Pounds	sheep pelts
95,965	Head	lambs
10,739	Head	sheep
34,856	Head	hogs
19,750	Pounds	package bees
2,082	Pounds	beeswax
270	Tons	honey
314	Pounds	alfalfa seed
49,549	Pounds	ladino clover seed
396	Bags	rape seed
962	Pounds	Bermuda grass seed
328,834	Pounds	sunflower seed
250	Tons	alfalfa hay
408	Ornamentals	

(Continued)

2,536	Deciduous fruit trees
20,037	Deciduous nut trees
2,015,740	Pounds almonds
716,000	Pounds black walnuts
487,344	Pounds English walnuts
101,878	Boxes navel oranges
1,676	Boxes Valencia oranges
103,554	
118	Boxes grapefruit
5,479	Boxes lemons
3,230	Gallons olive oil
2,144,252	Pounds olives
131,914	Pounds processed olives
164,024	Pounds fresh apricots
146,356	Pounds dried apricots
13,661	Pounds apricot pits
310	Tons wine grapes
8,000	Pounds raisins
25,761	Boxes pears
538,669	Pounds dried peaches
344	Boxes plums
7,635	Pounds dried figs
2,583,832	Pounds dried prunes

EVALUATION OF COMMODITIES SHIPPED

SUGAR

Sugar	\$ 2,003,672.00	
Molasses	132,700.00	
		\$ 2,136,372.00

CATTLE

Butterfat	751,526.00	
Fat cattle	620,976.00	
Veal calves	39,452.00	
Milk cows	12,510.00	
Feeder cattle	2,970.00	
		1,427,434.00

SHEEP

Lambs	677,033.00	
Wool	410,870.00	
Sheep	21,478.00	
Sheep pelts	1,260.00	
		1,110,641.00

GRAIN

Rice	510,676.00	
Barley	259,333.00	
Wheat	100,368.00	
Milo	21,440.00	
Oats	7,071.00	
		898,888.00

TREE CROPS

Almonds	302,361.00	
English walnuts	53,608.00	
Black walnuts	9,308.00	
Oranges	207,108.00	
Lemons	10,958.00	
Grapefruit	177.00	
Dried prunes	97,514.00	
Pears	32,201.00	
Dried peaches	26,933.00	
Dried apricots	16,109.00	
Fresh apricots	4,920.00	
Wine grapes	3,100.00	
Raisins	400.00	
Plums	344.00	
Dried figs	229.00	
Apricot pits	155.00	
Olives	96,480.00	
Olive oil	9,690.00	
Processed olives	8,914.00	
		880,509.00

EVALUATION OF COMMODITIES SHIPPED

(Continued)

HOGS

Hogs	\$	435,700.00	\$	435,700.00
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POULTRY

Dressed turkeys	287,910.00	
Chicken eggs	63,393.00	
Live poultry	52,866.00	
Turkey eggs	14,925.00	
		419,094.00

HAY AND SEED

Ladino clover seed	96,002.00	
Alfalfa hay	22,500.00	
Sunflower seed	8,220.00	
Bermuda grass seed	173.00	
Alfalfa seed	50.00	
Rape seed	20.00	
		126,965.00

BEEES AND HONEY

Honey	21,600.00	
Package bees	12,508.00	
Beeswax	395.00	
		34,503.00

DECIDUOUS FRUIT AND NUT TREES AND ORNAMENTALS

Deciduous nut trees	3,006.00	
Deciduous fruit trees	380.00	
Ornamentals	102.00	
		3,488.00

AGRICULTURAL ADJUSTMENT ADMINISTRATION
(1939 payments)

Conservation payments	133,471.00	
Payments under price adjustment act:		
Rice parity	48,569.00	
Sugar beet	28,632.00	
Wheat parity	22,403.00	
		233,075.00

UNREPORTED RETURNS TO FARMERS

Estimated returns to farmers for produce - unreported		500,000.00
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GRAND TOTAL	\$	8,206,669.00
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APIARY REPORT

6,351 colonies of bees in 204 apiaries were registered with this office during 1940.

895 colonies of bees in 8 apiaries were admitted, with proper certification, into Glenn County during the year.

710 colonies of bees in 12 apiaries were moved from other counties in California to Glenn County to registered seasonal locations.

402 colonies in 9 apiaries were certified to move from Glenn County to other counties in California.

576 colonies in 11 apiaries were moved out of Glenn County to registered seasonal locations in other counties.

1,440 colonies in 67 apiaries were inspected during the calendar year of 1940.

29 colonies of bees in 13 apiaries were found to be infected with American Foulbrood and were destroyed by burning.

19,750 pounds of package bees, 270 tons of honey and 2,082 pounds of beeswax were shipped out of Glenn County during 1940.

POISON DISTRIBUTED

1,840 pounds of poisoned grain were distributed throughout Glenn County during 1940 for the control of squirrels.

2,150 rat baits were given out.

3,166 ounces of ant poison were put out in the control of ants.

INSPECTIONS AND CALLS

During the calendar year of 1940, 5,765 calls were made on pest control; orchard and garden inspections; nursery stock and quarantine inspections; rodent, weed and seed inspections; and weights and measures work.

WEIGHTS AND MEASURES REPORT

The following were tested and sealed without correction:

95	Counter scales
34	Spring scales
40	Computing scales
117	Platform scales
25	Heavy capacity scales
865	Weights
124	Retail measuring pumps and meters
4	Wholesale meters

TOTAL 1,304

The following were tested and sealed after correction:

10	Counter scales
4	Spring scales
28	Computing scales
68	Platform scales
23	Heavy capacity scales
13	Weights
42	Retail measuring pumps and meters

TOTAL 188

The following were tested and found to be out of order:

12	Counter scales
8	Spring scales
25	Platform scales
12	Computing scales
9	Heavy capacity scales
8	Weights
43	Retail measuring pumps and meters

TOTAL 117

403 certificates were issued during the calendar year of 1940, and 508 establishments were visited.

NATURAL ECONOMIC RESOURCES

Population 12,195
 Water resources . . Sacramento River and Stony Creek
 Total area 880,000 acres
 Total irrigable area. 169,600 acres
 Irrigation districts. 5

Forest acreage

National forest 221,000 acres
 (93,000 acres of standing timber
 with an estimated 2 billion board feet) 221,000 acres

Field crop acreage

Barley for grain 72,000 acres
 Ladino clover 21,000
 Wheat for grain 17,250
 Rice 16,000
 Alfalfa 10,000
 Grain sorghums. 5,500
 Oats 2,837
 Sugar beets. 1,460
 Flax 200
 146,247 acres
 Native grass pasture. 500,000
 Grain hay and wild pasture. . . 10,000
 510,000 acres

Fruit and nut acreage

Almonds 3,904 acres
 Prunes 1,713
 Citrus 851
 Apricots. 701
 Walnuts 521
 Olives 413
 Peaches 262
 Pears. 203
 Figs 174
 Grapes 149
 8,891 acres

Livestock

Sheep. 198,154 head
 Dairy cattle 13,764
 Beef cattle. 6,847
 Hogs 17,130
 Horses and mules 1,318
 Poultry and turkeys 73,841

CROP SUMMARY

The year 1940 has been most unusual from a moisture factor, influencing crop returns to a great extent.

January started out with 8.20 inches of rainfall; followed by 6.58 inches in February, and 2.62 inches in March. During the month of December, 9.15 inches of rain fell, giving a total of 33.08 inches for the calendar year.

Heavy rains damaged the almond crop during the blossoming period to such an extent that the crop yield was 900,000 pounds under that of 1939. However, the decrease in yield was offset by an increased price return which brought an additional \$36,000 over last year's crop.

The price returns from apricots, turkeys and barley brought lesser incomes. While the apricot price was high, the crop was very light. Fewer turkeys were marketed than in 1939 and, while the barley yield was favorable, war conditions had a depressing effect on the barley market.

Highlights of 1940 were in the cattle and sheep business, which combined brought an additional \$300,000 income to the county over the year previous.

Sugar

The Holly Sugar Corporation at Hamilton City has milled 175,000 tons of beets. Glenn County acreages make up thirteen percent of this total. While the sale of sugar grossed \$2,136,372, Glenn County farmers received approximately \$280,000 of this amount.

The Holly Sugar Corporation is the largest employer of labor in the county. Indirect benefits from having the sugar factory in the county are many. The employment of local residents and the maintenance of large livestock feeding yards to utilize the beet pulp are direct benefits.

Cattle

The most significant farm income in the order of financial importance may be credited properly to the cattle industry. The sale of feeder cattle, fat cattle, milk cows, veal calves and butterfat brought a gross return of \$1,427,434.

The high prices received for milk cows sold and from butterfat produced have been definite factors in bringing about this favorable report.

CROP SUMMARY (Continued)

Sheep

The sheep industry is a very close second in importance. Wool, sheep pelts, sheep and lambs brought a gross return of \$1,110,641. There was a very definite increase in the price of wool over a year ago. Lambs have remained at nearly the same price.

Glenn County is considered the number one sheep producing county in California. Wild grasses and clover, which are brought up by rainfall, produce a high quality and inexpensive feed.

Grain

Barley, wheat, rice, oats and milo brought a gross return of \$898,888. The income from 16,000 acres of rice was nearly twice as great as the income from 72,000 acres of barley. When taken on an acreage basis, rice is much the more valuable crop.

While rice is an irrigated crop, it necessitates a great deal of additional labor and expense. Although barley is a much easier crop to handle in some respects, it has been grown in the county and on the same land from 50 to 60 years. This has had a tendency to reduce the yield per acre. Crop rotation is necessary on land that has been used so long for barley growing.

Tree Crops

The 8,900 acres of tree crops brought an income of \$880,500 for the year 1940. This small acreage produced nearly as much income as the total grain acreage.

The tree crops producing highest incomes were: almonds, with over \$300,000; oranges, with over \$200,000; olives followed with over \$114,000.

In the past four years, approximately 90,000 almond trees have been planted, indicating that orchardists are optimistic about the future of the almond industry. Orange groves are not farmed exclusively, but as a part of general farm practices. Olives, with over 400 acres, which are planted principally along roadsides and property lines, may be credited with producing the greatest income per acre utilized.

There is much soil suitable for growing tree crops, and previous success is a recommendation for continued planting.

Hogs

The income from hogs was a little over \$435,000. Unlike dairy cattle and sheep, their only income value is in meat production.

GRASSES

Local farmers long have felt the need of getting certain types of new grasses established, grasses which would be suitable for winter pasture, both on irrigated and on range land.

The local wild grasses, such as foxtail, alfilaria and burr clover, make very satisfactory pasture, but their growth is entirely dependent upon volunteer reseeding from year to year. Weather changes and occasional dry spells have not been entirely satisfactory in producing uniform pasture.

Last year, crested wheatgrass was experimented with quite extensively, but with unsatisfactory results.

Several acres of Michel's grass, which is a cross between crested wheat and ryegrass, have been planted. Early indications give promise that this grass may prove successful. However, more time is needed, including the warm summer season, before final approval can be given.

Dallas grass is so successful in its growth that it actually becomes a nuisance in some districts. However, there are certain classes of soil which are not favorable to growing other crops but would yield a fair return in pasture if planted to Dallas grass. This grass is recommended only on submarginal land.

LADINO CLOVER

The 1939 figures for ladino clover showed approximately 21,000 acres in the county. There is some fluctuation in this acreage, but an increasing amount is being planted.

Ladino is a shallow rooted plant, getting much of its root growth near the top of the ground. It has been very successful on alkali types of soils. Because of its shallow growth, heavy pasturing in certain soils during wet weather does inestimable damage; however, the clay and gravelly soils seem to stand pasturing when either wet or dry. Some farmers irrigate with the stock in the field, apparently doing little damage to the stand.

During 1940, 119,000 pounds of ladino clover seed were harvested. There are many clover growers who have had their fields certified as Cal-approved. Poor stands rapidly are being eliminated as seed producers.

SOILS

For some years following the introduction of rice, the abundance of water, necessary in growing this crop, had a tendency to build up a high water table, and for a number of years, several thousand acres generally had been regarded as worthless soil.

Washing the land by farming it to rice can be credited with reclaiming much of the land which formerly carried a high alkaline content.

Investigation has shown, however, that the soil did not lose its vital mineral elements, but that the contributory factor in the form of salt brought about a farm problem which had not been solved. It now appears, with limited exceptions, that with proper surface draining, ladino clover and several of the grasses can be planted on much of the soil which hitherto has been classed as too alkaline, or unfit for general farming.

A great deal of credit can be given to Captain Steele and the veterans at the Spaulding Ranch for their interest exhibited in planting several acres of garden vegetables in that area. The vegetables produced were of a high quality, and many first prizes were taken at the county fair. This experiment has lent itself to prove that proper washing of the top surface eliminates new deposits of alkali, thus making the land useable for certain kinds of crops.

INSECT PESTS

A move has been launched for the control of mosquitoes. Information has been brought out showing that this pest is much more serious and costly than formerly was supposed.

Recent research authorities contend that, in thickly infested areas, milk production has been reduced greatly; egg laying in poultry is hampered; young chicks have been known to be destroyed; ewes often leave their young.

The mosquito has been proven to be the carrier of the germ producing big head in domestic rabbits, and suspicion points strongly to this agent as responsible for the spread of heart-worm in dogs; also, a type of sleeping sickness, known as Equine Encephalomyelitis, is believed to be spread from horse to horse and to other animals and, occasionally, to humans.

The female mosquito feeds entirely upon blood, while the male subsists on the juices of plants. The shade of ladino clover and other forage grasses offer havens of refuge during hot days, and myriads of mosquitoes nearly always can be found where grass is growing luxuriantly.

WEIGHTS AND MEASURES

1,609 pieces of weighing and measuring equipment have been tested and approved in Glenn County during the past year. These weighing devices vary in size from the small prescription scales, capable of registering weights in fractions of a grain, up to stock and vehicle scales weighing in tens of thousands of pounds. Whatever the use, each type of scale has a tolerance and must pass certain rigid requirement tests.

The most common type of scale in use is the portable platform scale. This scale has capacities varying from 300 to 1,000 pounds and, therefore, has found favor with ranchers and businessmen alike.

Glenn County is to be congratulated upon the progressive attitude taken by the owners of scales in general. Old, out-moded scales rapidly are being replaced with new, modern equipment. An inaccurate scale which is subject to condemnation is likewise a very expensive piece of machinery.

A stable foundation for scales to rest upon is of the utmost importance. Scales that are out of plumb are very likely to weigh incorrectly. Weather conditions, changing from cold and dampness to hot, dry temperatures, greatly affect the accuracy of the weighing equipment, thus necessitating constant checking and re-checking.

Another service offered by the Department of Weights and Measures is the checking of package goods offered for sale through retail establishments. Such items as beans, cheese, peas, rice, prunes, etc., are checked frequently to see that their weights correspond with those printed on the packages.

THE GLENN COUNTY FAIR

This report would not be complete without a few words pertaining to the Glenn County fair. This splendid institution is growing yearly, and the 1940 season was acclaimed the most successful fair yet attempted.

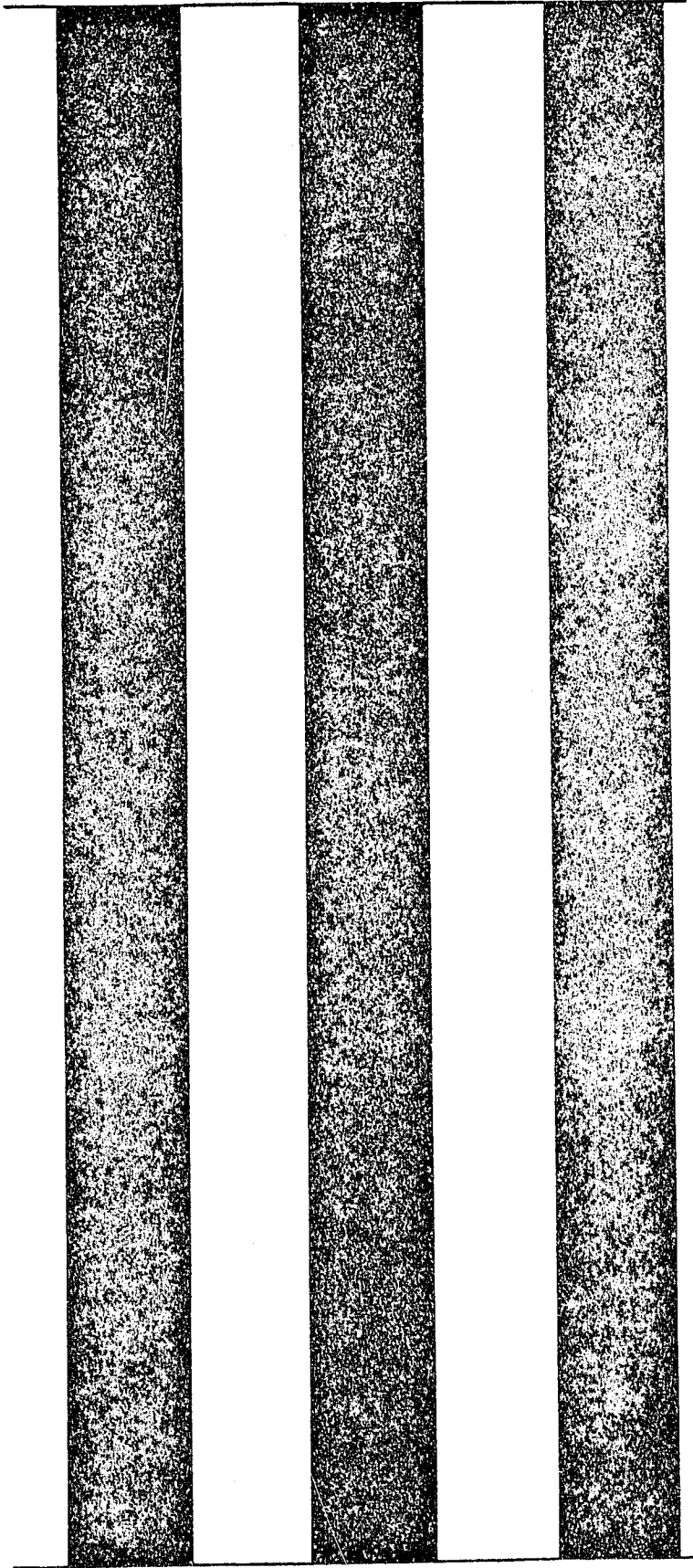
In matter of years, the Glenn County fair is still young, having been reorganized in 1937 after a lapse of several years. \$16,000 in prizes was awarded, and it was with keen interest that so many participated.

Much credit must be given to the fair directors for their tireless effort, and the willingness with which all went about the various tasks of assembling together a wide collection of Glenn County's varied farm products.

THE GLENN COUNTY FAIR (Continued)

The displays of fruits, nuts, garden truck, apiary exhibits, as well as livestock, tend to reflect the hundreds of hours of man power and planning so necessary in helping to make the fair a success.

It is with much anticipation that all look forward to the fair in 1941, which will be held on a new location, southeast of Orland, where new and modern buildings are in process of construction.



1941

*C. E.,
Calif. - Agric. - Glenn Co.*

ANNUAL REPORT

Agricultural Commissioner

COUNTY OF GLENN

1941

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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, 1941

BOARD OF SUPERVISORS

J. W. Monroe, Chairman

M. G. Haigh

Henry McMahon

Darwin Picknell

Richard Nichols

PLANT QUARANTINE

The following goods from other counties in California were inspected and passed into Glenn County during the calendar year of 1941:

3,110	Ornamentals
453	Rose Bushes
213	Cactus Plants
20,076	Bulbs, Corms and Tubers
704	Bedding Plants
107	Flats Bedding Plants
241	Vegetable Plants
95	Flats Vegetable Plants
284	Berry Plants
475	Strawberry Plants
1,315	Packages Flower and Vegetable Seed
3	Sacks Kentucky Bluegrass Seed
2	Sacks Bermuda Grass Seed
2	Sacks Giant Bermuda Grass Roots
51	Sacks Ladino Clover Seed
6	Sacks White Clover Seed
1	Sack Red Clover Seed
1	Sack Sweet Clover Seed
2	Sacks Burr Clover Seed
2	Sacks Strawberry Clover Seed
2	Sacks Alsike Clover Seed
4	Sacks Birdsfoot Trefoil
1	Sack Brome Grass Seed
164	Sacks Sudan Grass Seed
16	Sacks Ryegrass Seed
8	Sacks Dallas Grass Seed
3	Sacks Orchard Grass Seed
33	Sacks Special Pasture Mix
40	Sacks Millet Seed
190	Sacks Alfalfa Seed
53	Sacks Vetch Seed
25	Sacks Sorghum Seed
42	Sacks Cowpea Seed
6	Sacks Field Peas
126	Sacks Milo Seed

(Continued)

1	Sack Yellow Mustard Seed
1	Sack Lespedeza Seed
1	Sack Rye Seed
158	Sacks Onion Sets
5,491	Deciduous Nut Trees
397	Deciduous Fruit Trees
515	Citrus and Subtropical Trees
10	Persimmon Trees
1,180	Olive Trees
110	Olive Seedlings
92	Scion Wood for Grafting
36	Grapevines

The following rejections were made on intrastate shipments:

1,505	Olive Trees
253	Deciduous Nut Trees
5	Deciduous Fruit Trees
1	Persimmon Tree
24	Ornamentals
1	Bulb

PLANT QUARANTINE (Continued)

The following goods from other states were inspected and passed into Glenn County during the calendar year of 1941:

1,273	Ornamentals
83	Rose Bushes
53	Cactus Plants
7,395	Bulbs, Corms and Tubers
4,364	Bedding Plants
1,962	Vegetable Plants
45	Berry Plants
475	Strawberry Plants
1,813	Packages Flower and Vegetable Seed
1	Sack Strawberry Clover Seed
8	Sacks Ladino Clover Seed
3	Sacks Alsike Clover Seed
6	Sacks Birdsfoot Trefoil
6	Sacks Ryegrass Seed
201	Sacks Vetch Seed
8	Sacks Sorghum Seed
2	Sacks Millet Seed
1	Sack Seed Potatoes
8	Carloads Potatoes
119	Deciduous Fruit Trees
6	Grapevines

The following rejections were made on interstate shipments:

100	Sweet Potato Plants
-----	---------------------

OUTGOING SHIPMENTS

The following farm products, by-products and livestock were shipped out of Glenn County during the calendar year of 1941:

1,364,007	Bushels	(545,603 sacks)	Rice
874,139	Bushels	(388,506 sacks)	Barley
162,432	Bushels	(72,192 sacks)	Wheat
111,064	Bushels	(49,362 sacks)	Milo
49,260	Bushels	(18,420 sacks)	Oats

141,871	Pounds	Ladino Clover Seed
29,009,100	Pounds	Sugar
10,558,800	Pounds	Molasses
2,776,881	Pounds	Butterfat
1,449	Head	Veal Calves
123	Head	Milk Cows
9,735	Head	Fat Cattle
2,109	Head	Feeder Cattle
354,113	Dozen	Eggs
218,735	Turkey Eggs	for Hatching
1,870,724	Pounds	Dressed Turkeys
263,388	Pounds	Live Poultry
1,477,354	Pounds	Wool
5,244	Pounds	Sheep Pelts
87,821	Head	Lambs
19,252	Head	Sheep
4,176	Head	Feeder Sheep
34,849	Head	Hogs
19,250	Pounds	Package Bees and Queens
3,000	Pounds	Beeswax
165	Tons	Honey
980	Pounds	Bermuda Grass Seed
41,360	Pounds	Sunflower Seed
699	Tons	Alfalfa
3,566	Deciduous	Fruit Trees
18,000	Deciduous	Nut Trees

(Continued)

471,414	Pounds Almonds
267,284	Pounds Black Walnuts
241,230	Pounds English Walnuts
58,327	Boxes Oranges
628	Boxes Grapefruit
5,476	Boxes Lemons
106,650	Pounds Lemon By-products
24,410	Gallons Olive Oil
3,260,232	Pounds Olives
757,900	Pounds Processed Olives
789	Pounds Fresh Apricots
36,488	Pounds Dried Apricots
6,662	Pounds Apricot Pits
429,440	Pounds Wine Grapes
5,700	Pounds Raisins
33,324	Boxes Pears
1,998,482	Pounds Cannery Pears
104,970	Pounds Dried Peaches
2,709,109	Pounds Dried Prunes
472	Bags Blackeye Beans

EVALUATION OF COMMODITIES SHIPPED

CATTLE

Butterfat	\$1,388,440.50	
Fat Cattle	632,775.00	
Feeder Cattle	105,450.00	
Veal Calves	19,561.50	
Milk Cows	8,610.00	\$2,154,837.00

GRAIN

Rice	1,271,255.00	
Barley	574,988.00	
Wheat	155,935.00	
Milo	98,724.00	
Oats	24,867.00	2,125,769.00

SUGAR

Sugar	1,521,977.00	
Molasses	211,176.00	1,733,153.00

SHEEP

Lambs	702,568.00	
Wool	590,941.00	
Sheep	77,008.00	
Feeder Sheep	25,056.00	
Sheep Polts	6,555.00	1,402,128.00

TREE CROPS

Olives	285,270.00	
Processed Olives	151,580.00	
Olive Oil	97,640.00	
Almonds	169,709.00	
English Walnuts	32,566.00	
Black Walnuts	4,544.00	
Granges	133,236.00	
Lemons	21,904.00	
Lemon By-products	802.00	
Grapefruit	628.00	
Dried Prunes	94,819.00	
Dried Peaches	10,497.00	
Dried Apricots	4,767.00	
Apricot Pits	77.00	
Pears	26,659.00	
Cannery Pears	39,960.00	
Wine Grapes	3,225.00	
Raisins	200.00	1,078,083.00

EVALUATION OF COMMODITIES SHIPPED
(Continued)

POULTRY

Turkeys	467,681.00	
Chicken Eggs	106,234.00	
Live Poultry	50,043.00	
Turkey Eggs	41,560.00	665,518.00

HOGS

Hogs	635,994.00	635,994.00
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HAY AND SEED

Ladino Clover Seed	85,123.00	
Alfalfa Hay	10,485.00	
Sunflower Seed	1,240.00	
Bermuda Grass Seed	176.00	
Blackeye Beans	1,652.00	98,676.00

BEEES AND HONEY

Honey	15,675.00	
Package Bees	14,438.00	
Beeswax	900.00	31,013.00

DECIDUOUS FRUIT AND NUT TREES

Deciduous Nut Trees	3,600.00	
Deciduous Fruit Trees	713.00	4,313.00

AGRICULTURAL ADJUSTMENT ADMINISTRATION
(1940 payments)

Conservation Payments	86,000.00	
Payments under price adjustment act:		
Rice	25,000.00	
Sugar Beets	35,000.00	
Wheat	12,000.00	158,000.00

UNREPORTED RETURNS TO FARMERS

Estimated returns to farmers for produce - unreported		500,000.00
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	GRAND TOTAL	\$10,587,484.00
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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)	77,000	
Ladino Clover	20,000	
Wheat for grain	18,000	
Rice	20,800	
Alfalfa	12,500	
Milo Maize	15,130	
Oats	2,837	
Sugar Beets	1,307	
Flax	200	
Beans	389	168,163
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:

Sheep	180,000	
Dairy cattle	15,034	
Beef cattle	5,508	
Hogs	13,990	
Horses and mules	1,121	215,653
Poultry and turkeys	67,758	67,758

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 stream	32
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	80,000
California Valley Quail	25,000

Other game:

Mountain Quail, Wild Pigeon, Doves

POISON REPORT

Chemicals and poisons used in weed and pest control work:

1,834	Pounds Poisoned Grain
14,198	Red Squill Baits
5,214	Ounces Antrol
4,315	Pounds Bran
17,458	Gallons Spray Oil (Weed Control)

APIARY REPORT

7,037 colonies of bees in 196 apiaries were registered with this office during 1941.

201 colonies in two apiaries were certified to move from Glenn County to other counties in California.

2,775 colonies in 185 apiaries were inspected during the calendar year of 1941.

36 colonies in 20 apiaries were found to be infected with American Foulbrood and were destroyed by burning.

19,250 pounds of package bees, 165 tons of honey, and 3,000 pounds of beeswax was shipped out of Glenn County during 1941.

WEIGHTS AND MEASURES REPORT

The following were tested and sealed without correction:

- 48 Counter Scales
- 34 Spring Scales
- 38 Computing Scales
- 89 Platform Scales
- 37 Heavy Capacity Scales
- 531 Weights
- 135 Retail Measuring Pumps and Meters
- 135 Liquid Measures

The following were tested and sealed after correction:

- 5 Counter Scales
- 9 Spring Scales
- 21 Computing Scales
- 56 Platform Scales
- 43 Heavy Capacity Scales
- 37 Retail Measuring Pumps and Meters
- 2 Liquid Measures

The following were tested and found to be out of order:

- 3 Counter Scales
- 11 Spring Scales
- 5 Computing Scales
- 22 Platform Scales
- 5 Heavy Capacity Scales
- 1 Weight
- 20 Retail Measuring Pumps and Meters

The following were condemned and confiscated:

- 1 Platform Scale
- 3 Weights
- 2 Liquid Measures

During the calendar year of 1941, 505 establishments were visited and 349 certificates issued.

CROP SUMMARY

The year 1941 has been most favorable so far as general farm returns are concerned. This in many respects was the best year that has existed since the county was organized. In times past there have been special crops which have reached unusually high peaks; but as diversified farming has taken its place, nearly every commodity produced on the farm this year has been in demand and at prices satisfactory to the producer.

SHASTA DAM

With the Shasta Dam partially constructed, an abundance of stored water and a large amount of electrical energy will soon be available for use.

There are approximately 85,000 acres of dry land available for irrigation. Whether this area will develop by pumping projects or under an irrigation district remains for the future. Without doubt the greatest development in this county in many years is soon to take place.

There are great opportunities from a business and manufacturing point of view and also from the farm side. It has properly been said that water is the white gold of California. Both the electrical energy and all the water that flows from Shasta Dam must pass through Glenn County. Certainly, there is a lot to look forward to from Nature's storehouse.

DAIRYING

The largest single farm commodity produced on a county wide basis can be credited to the dairy industry in the form of butterfat. This year \$1,383,000 was returned to that industry. This is \$620,000 more than in 1940. At the same time, 900,000 pounds more butterfat was produced in 1941 than in the previous year.

Other factors which helped to swell returns from the cattle industry were fat cattle, feeder cattle, veal calves and milk cows sold and shipped out of the county which brought a gross return for the dairy and cattle industry of \$2,154,000.

GRAIN

While it is generally considered that the grain crops were lighter than the preceding year, outgoing shipments were somewhat higher. This increase is partially made up by withdrawals from grain in storage. The gross income from rice, barley, wheat, milo and oats was \$2,125,000. This is nearly \$1,227,000 more than was brought in last year. The returns for both barley and rice were exceptionally good. The rice crop being the most outstanding with 20,800 acres planted in 1941. It brought the highest prices in many years to the rice industry, or a gross return for rice sold during the year of \$1,271,000. This is just \$100,000 less than the returns for butterfat.

SUGAR

Sugar again comes in as the third most valuable crop. However, much of the beets sliced in the county at the Hamilton City factory are from outside districts. The gross return for sugar and molasses was \$1,733,000. The sugar beet industry has stimulated considerable development in the river area in the sandy loam soils which for many years were used only for grain growing and are now growing a more lucrative crop in the form of sugar beets.

Actually, the returns to the county cannot be figured in dollars and cents alone, because of the educational work being carried on. Many of the farm practices that are used in growing beets can be used to good advantage in growing other types of row crops which will be necessary in order to follow crop rotation.

SHEEP

Of all farm practices the sheep and wool industry remained at the most stable level. This present year the gross income from lambs, sheep, wool and pelts was \$1,402,000, or just \$300,000 over the previous year. This increase is partially made up in the nearly 200,000 pounds more wool which was clipped in 1941 over the preceding year. The past ten years the sheep industry has continued on a fairly steady level with a slightly upward trend in lamb and wool production. Growers are finding it necessary to make added provisions for summer feed in the form of irrigated pasture.

TREE CROPS

The 10,153 acres of tree crops in the county produced a gross income of \$1,078,000. Olives with 500 acres can be credited with half of this amount, or \$534,000. The income from almonds was somewhat lower because of the very light crop in 1941.

The citrus industry remained at a steady level with an income of \$156,000. This variation, or downward fluctuation, from the previous year can be partially accounted for by a later harvest in 1941. Considerable of the '41 crop is being carried over into 1942. Early rains and weather conditions have delayed picking. It is expected, however, that the income to the farmer from the citrus industry will remain about the same as the previous year.

There is a rather unusual comparison between the tree and rice crops. Rice with just double the acreage of the tree crops brought a greater return than the tree crops. Most of the rice land is submarginal and has a limited valuation, whereas the tree crops are grown on the best land in the county. The comparison is -- tree crops, \$1,078,000; rice, \$1,271,000.

POULTRY

Poultry in the form of turkeys, eggs, and live and dressed poultry had a gross income of \$665,000, which is \$246,000 greater than the amount returned in 1940.

Regardless of the type of farming followed by the farmers of the county, practically every commodity showed a substantial increase in value over the preceding year.

FORAGE CROPS

The past two years heavy rains during the winter have had a tendency to partially drowned out both alfalfa and ladino. A great deal of reseeding has been carried on, some on new land and some on older land being renewed. Because of unfavorable weather and loss of yield there has been a very limited increase in the number of net acres planted. However, a great deal of new land has

FORAGE CROPS (Continued)

been leveled and developed ready to be planted, and in that respect substantial gains have been made. A definite need for more feed is demonstrated by the increased number of dairy cattle on farms and also to care for feeder lambs and sheep during the summer. Continued planting to double the present acreage could be satisfactorily utilized.

WEED CONTROL

During the summer 17,000 gallons of oil was applied on puncture vine and other weeds growing along county roads, and in the bottom and along the banks of Stony Creek.

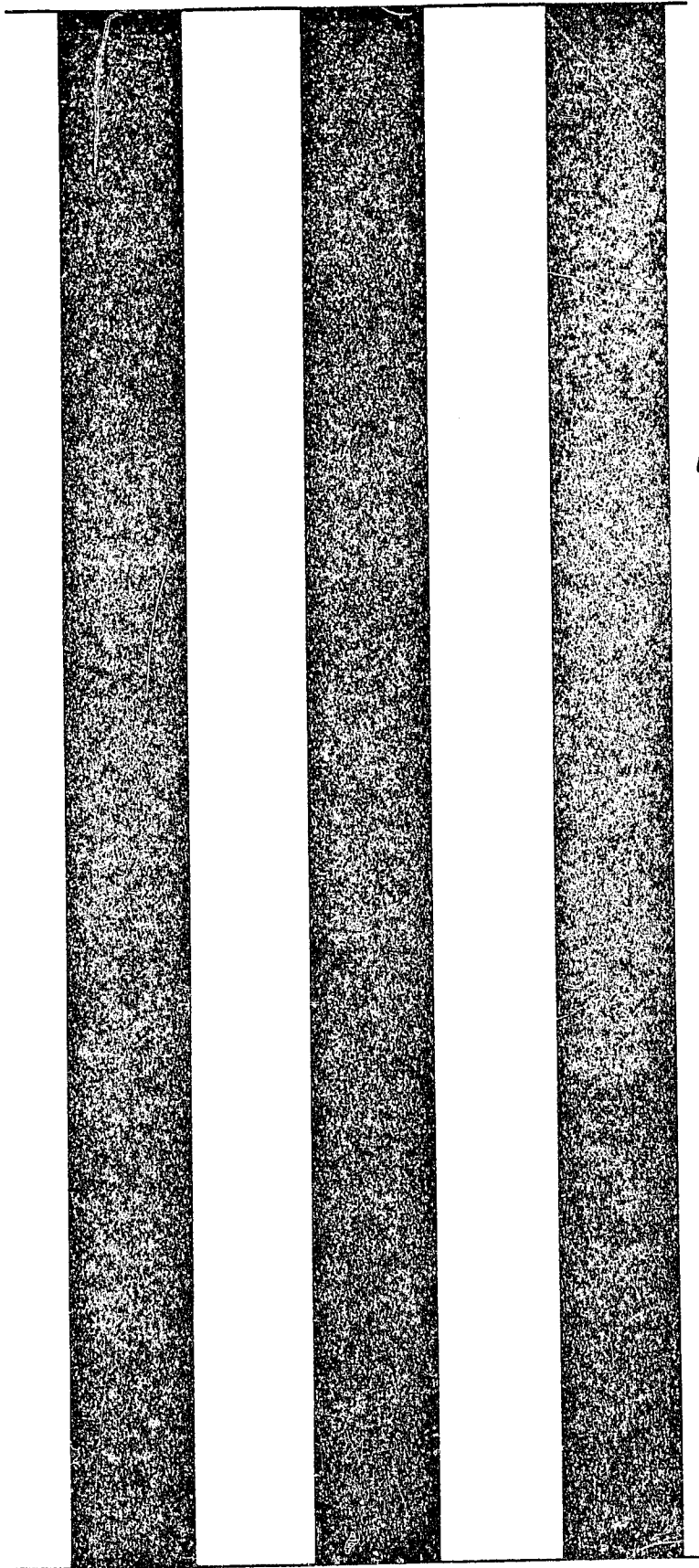
PEST CONTROL

During the summer a heavy infestation of sugar beet army worms attacked all the beet fields in the Butte City area. The crop on one field of approximately 100 acres was completely destroyed. The balance of the infestations were brought under control by the application of arsenical dusts applied by airplane.

Shot hole, fungus, and brown rot on almonds and apricots resulted in a serious shortage to the crop. Heavy, wet, rainy weather so soaked the ground that it prevented using heavy spray equipment in the orchards at the proper time. This has resulted in a reduction of both the almond and apricot crops.

RODENT CONTROL

Rats, mice and squirrels are building up in population despite the continued efforts of control. Good results have been obtained from poison bait that has been distributed, but rats and mice have carried on a continuous migration from open fields into ranch buildings and to the small rural communities and towns. Thousands of baits have been put out in control work, and good results have been obtained, but the migration plus the rapid birth increase has been a continuous source of annoyance and loss.



1942

County - Deed - Glenn Co.

DIVISION of AGRICULTURAL ECONOMICS
BRANCH of the COLLEGE of AGRICULTURE
DAVIS, CALIF.

ANNUAL REPORT

Agricultural Commissioner

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COUNTY OF GLENN
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GLENN COUNTY DEPARTMENT OF AGRICULTURE
WILLOWS, CALIFORNIA

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

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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 Lospedeza 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

(Continued)

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

Glenn County 1942

continued on next PDF

Glenn County 1942 - 1947