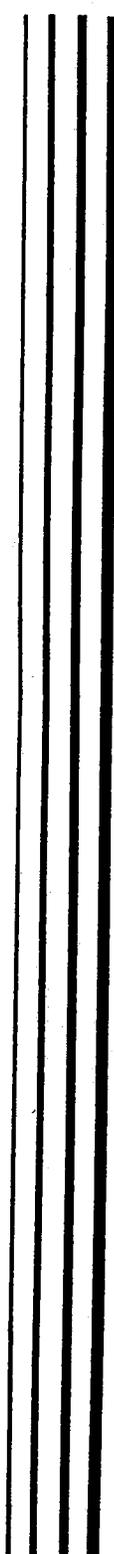


# **ANNUAL REPORT**



## **Agricultural Commissioner**

—  
**COUNTY OF GLENN**

—  
**1948**  
—

**P. V. HARRIGAN**

GLENN COUNTY DEPARTMENT OF AGRICULTURE

WILLOWS, CALIFORNIA

P. V. Harrigan  
Agricultural Commissioner

\* \* \*

A N N U A L    R E P O R T

For the  
Year ending December 31, 1948

\* \* \*

BOARD OF SUPERVISORS

Henry McMahon, Chairman

Marshall Lane

Richard Nichols

Darwin Picknell

C. C. Adams

TO THE HONORABLE BOARD OF SUPERVISORS  
OF THE COUNTY OF GLENN

and

TO DIRECTOR A. A. BROCK, CALIFORNIA  
STATE DEPARTMENT OF AGRICULTURE

Article I - COUNTY AGRICULTURAL COMMISSIONER

Section 50 - COUNTY DEPARTMENT OF AGRICULTURE - There shall be the office of county agricultural commissioner in each county. Such commissioner shall be in charge of the county department of agriculture.

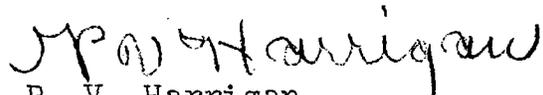
Section 65 - RECORDS - The commissioner shall keep a record of his official acts and make an annual report to the director of agriculture on the condition of the agricultural interests in his county, as to what is being done to eradicate, or to control or to destroy pests and also as to quarantine against pests, and shall furnish from time to time to the director such other information as he may require.

Section 65 - REPORT - The commissioner shall also make a monthly report to the board of supervisors if and when so required by said board.

Section 65.5 - STATISTICS - The commissioner shall compile reports of the condition, 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.

In accordance with the California Political Code, this report is

Respectfully submitted,



P. V. Harrigan  
Agricultural Commissioner  
of the County of Glenn

December 31, 1948

PLANT AND SEED INSPECTION

106 Pounds Garden Seed  
3,000 Pounds Beet Seed  
110 Sacks Irish Seed Potatoes  
  
1,600 Pounds Certified Ladino Seed  
1,700 Pounds Ladino Seed  
2 Sacks White Dutch Clover Seed  
5 Sacks Yellow Sweet Clover Seed  
4 Sacks Alsike Clover Seed  
3 Sacks Red Clover Seed  
2 Sacks Subterranean Clover Seed  
1 Sack Timothy Seed  
1 Sack Lespedeza Seed  
113 Sacks Alfalfa Seed  
60 Pounds Certified Ranger Alfalfa Seed  
3 Sacks Lotus Seed  
423 Pounds Lawn Grass Seed  
630 Pounds Kentucky Bluegrass Seed  
38 Sacks Ryegrass Seed  
10 Pounds Brome Grass Seed  
5 Pounds Oat Grass Seed  
11 Sacks Harding Grass Seed  
4 Sacks Melilotus Indica Seed  
4 Sacks Bur Clover Seed  
10 Sacks Fenugreek Seed  
5 Sacks Certified Ryegrass Seed  
1 Sack Red Top Seed  
314 Sacks Wheat Seed  
62 Sacks Certified Rice Seed  
20 Sacks Arivat Barley Seed  
1 Sack Burnet Seed  
1 Sack Essex Rape Grass Seed  
7 Sacks Dallis Grass Seed  
51 Sacks Canary Grass Seed  
3 Sacks Orchard Grass Seed  
445 Pounds Crested Wheatgrass Seed  
10 Sacks Millet Seed  
3 Sacks Pasture Grass Mixture Seed  
5 Sacks Field Pea Seed  
18 Sacks Small Seeded Horse Bean Seed  
50 Sacks Milo Seed  
15 Sacks Certified Milo Seed  
42 Sacks Hybrid Corn Seed  
16 Sacks Sorghum Seed  
3 Sacks Certified Atlas Sorgo Seed  
18 Sacks Gyp Corn Seed  
10 Sacks Field Corn Seed  
295 Sacks Common Vetch Seed

PLANT AND SEED INSPECTION (Continued)

106	Sacks Purple Vetch Seed
8	Sacks Fescue Seed
190	Sacks Sudan Grass Seed
6	Sacks Sweet Sudan Grass Seed
20	Sacks Certified Sudan Grass Seed
10	Pounds Amber Sudan Grass Seed
27,799	Vegetable and Berry Plants
63,829	Ornamental Plants and Bulbs
4,129	Deciduous Fruit Trees
21,124	Deciduous Nut Trees
6,962	Citrus and Subtropical Fruit Trees
527	Grapevines
252	Shade Trees
300	Tons Hay

REJECTIONS

287 Deciduous Fruit and Nut Trees  
60 Citrus Trees, Fumigated

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APIARY REPORT

10,616 colonies of bees in 218 apiaries were registered during 1948

5,490 colonies of bees in 64 apiaries were certified to move from other counties in California into Glenn County.

4,153 colonies in 31 apiaries were certified to move from Glenn County to other counties in California.

1,265 colonies in 59 apiaries were inspected during the calendar year 1948.

7 colonies in 6 apiaries were found to be infected with American Foulbrood. 18 colonies in 14 apiaries were found to be infected with European Foulbrood.

38,500 pounds of package bees, 1,200 queens, 475,800 pounds of honey, and 7,700 pounds of beeswax were marketed during 1948.

## FARM PRODUCTION

### GRAIN

2,767,000	Bushels	(1,112,000 Sacks)	Barley
1,960,000	"	( 840,000 Sacks)	Rice
127,500	"	( 54,700 Sacks)	Wheat
54,100	"	( 23,200 Sacks)	Milo
62,500	"	( 27,000 Sacks)	Oats

### SEED

670,000	Pounds	Ladino Clover Seed
7,500	"	Alfalfa Seed
1,100	"	Lotus Seed
4,000	"	Bur Clover Seed
180,000	"	Field Pea Seed
600,000	"	Vetch Seed
10,000	"	Horse Beans
650,000	"	Sudan Seed

### TREE CROPS

45,000	Boxes	Oranges
35,600	Pounds	Dried Apricots
1,812,000	"	Pears
82,500	"	Peaches
6,000,000	"	Prunes
102,000	"	Dried Figs
350,000	"	Sub-standard Dried Figs
1,250,000	Pounds	Almonds
325,000	"	English Walnuts
125,000	"	Black Walnuts
300,000	Pounds	Processed Olives
1,500,000	"	Oil Olives
50,700	Gallons	Olive Oil
1,000	Tons	Olive Pomace
75	Tons	Wine Grapes

### BEETS

10,000 Tons Sugar Beets

### HAY

45,000 Tons Hay

FARM PRODUCTS, (Cont'd.)

LIVESTOCK

3,690,000 Pounds Butterfat  
8,000 Head Fat Cattle  
12,000 Head Cattle  
11,500 Head Calves  
2,700 Cattle Hides

85,000 Head Lambs  
27,000 Head Sheep  
1,006,000 Pounds Wool  
4,500 Pelts

HOGS 19,600 Head Hogs

POULTRY

500,000 Dozen Eggs  
142,000 Pounds Live Poultry

75,200 Turkey Eggs  
500,000 Pounds Dressed Turkeys

BEEES AND HONEY

38,500 Pounds Packages Bees  
1,200 Queen Bees  
475,800 Pounds Honey  
7,700 Pounds Beeswax

FOREST PRODUCTS

1,700,000 Board Feet Lumber Milled

3,194,000 Board Feet Logs

3,000 Christmas Trees

EVALUATION OF COMMODITIES

FIELD CROPS

Rice	\$ 4,200,000	
Barley	3,172,000	
Wheat	287,000	
Oats	55,000	
Milo	80,000	\$ 7,794,000

SEED

Ladino Clover	\$ 1,106,000	
Alfalfa	2,400	
Lotus Seed	1,000	
Sudan Seed	48,000	
Bur Clover	2,000	
Field Peas	10,800	
Vetch	48,000	
Horse Beans	600	
Canary Grass Seed	19,500	\$ 1,238,300
Hay	\$ 1,125,000	\$ 1,125,000
Sugar Beets	\$ 106,500	\$ 106,500

TREE CROPS

Almonds	\$ 286,400	
Walnuts	71,500	
Black Walnuts	3,700	
Olive Oil	190,000	
Olives	93,750	
Processed Olives	26,250	
Olive Pomace	15,000	
Prunes	420,000	
Oranges	225,000	
Pears	93,000	
Figs, Dried	7,200	
Figs, Sub-standard	7,000	
Apricots, Dried	7,800	
Peaches, Fresh	2,000	
Grapes	2,000	\$ 1,450,600

BEEES AND HONEY

Package Bees	\$ 80,850	
Queens	1,500	
Honey	49,000	
Beeswax	3,250	\$ 134,600

FORWARD . . . . . \$ 11,849,000

FORWARD . . . . . \$ 11,849,000

CATTLE

Butterfat	\$ 4,000,500	
Fat Cattle	2,000,000	
Cattle	2,400,000	
Calves	345,000	
Hides	25,200	\$ 8,770,700

SHEEP

Lambs	\$ 1,615,000	
Sheep	216,000	
Wool	575,000	
Pelts	9,000	\$ 2,415,000

HOGS	\$ 940,800	\$ 940,800
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POULTRY

Turkeys	\$ 275,000	
Turkey Eggs	25,000	
Live Poultry	51,000	
Chicken Eggs	268,000	\$ 619,000

FOREST PRODUCTS

Milled Lumber	\$ 105,400	
Logs	83,100	
Christmas Trees	4,500	\$ 193,000

PASTURE

Ladino Clover	\$ 1,600,000	
Grain Stubble	180,000	
Range	440,000	\$ 2,220,000

AGRICULTURAL ADJUSTMENT ADMINISTRATION:

1948 Conservation Payments	\$ 62,500
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TOTAL . . . . . \$ 27,070,000

AGRICULTURAL ECONOMIC RESOURCES

FIELD CROP ACREAGE:

Barley	82,000	
Rice	27,000	
Ladino Clover	40,000	
Alfalfa	9,000	
Wheat	7,500	
Milo	3,500	
Oats	2,000	
Sudan	1,000	
Lotus	750	
Sugar Beets	650	
Field Peas	250	
Canary Grass	220	
		173,830

FRUIT AND NUT ACREAGE:

Almonds	4,956	
Prunes	1,615	
Citrus	727	
Apricots	280	
Walnuts	696	
Olives	794	
Peaches	138	
Pears	203	
Figs	200	
Grapes	113	
Cherries	2	
		9,724

LIVESTOCK:

Sheep	106,000	
Dairy Cattle	22,000	
Beef Cattle	12,000	
Hogs	8,000	
Horses and Mules	950	
Poultry	60,000	
Breeding Turkeys	8,000	

NATURAL ECONOMIC RESOURCES

POPULATION of GLENN County - - - - - 20,000

Water Resources: Sacramento River, Feather River, Stony Creek,  
Grindstone Creek, and Butte Creek

Water Storage: Shasta Dam on Sacramento River; Stony Gorge Dam  
on Stony Creek; East Park Dam on Stony Creek

Irrigation Districts in Operation: Acres

Orland, U. S. Reclamation District - Stony Creek	- 20,000
Glenn-Colusa Irrigation District - Sacramento River	- 54,435
Jacinto Irrigation District - Sacramento River	- 12,000
Provident Irrigation District - Sacramento River	- 12,520
Princeton - Codora - Glenn - Sacramento River	- 6,000
Willow Creek Mutual Water Co. - Sacramento River	- 1,000
Western Canal Company - Feather River	- 11,000
Loam Ridge Irrigation District - Pumps	- 1,200
Stony Creek Valley, Riparian Water Rights	- 1,000
Pump Irrigation from Farm Wells	- <u>13,000</u>

Total acreage of Irrigation Districts - 132,155

Other land suitable for irrigation:

West of present irrigation systems	75,000
Butte City District, East of Sacramento River	25,000
Stony Creek Valley	1,200
West of Orland on Stony Creek below proposed Black Butte Dam	- <u>15,000</u>

Total acreage land suitable for irrigation - 116,200

TOTAL ACREAGE in County 880,000

Acres in National Forest 221,408

Acres of Standing Timber 86,000

Species of merchantable trees: Sugar Pine; Ponderosa (yellow)  
Pine; Douglas Fir; White Fir; Red Fir; and Incense Cedar.

Sawmills in Operation 4

Natural Gas Wells (producing) 3

Number of Farms in Glenn County - 1,600

Average acreage of each farm - 360

Number of farms over 1,000 acres 127

NATURAL RECREATIONAL RESOURCES

Lakes	Stony Gorge Dam and Facker Lake	
Summer Camping Grounds - Improved		16
Partially Improved		38
Estimated Number of Recreationists to National Forest Areas	20,000	
Forest Acreage		221,408
Elevation in Forest		3,000 to 7,450
Trout Holding Folds - Plaskett Meadows - Elevation -	6,500	
Kinds of Fish:		
Mountain Streams -	Rainbow Trout	
River -	Stripped Bass, Black Bass, Salmon, Shad and Catfish; also Steelhead and Rainbow Trout.	
Lakes -	Black Bass, Catfish, Sunfish, Crappie, Bluegill.	
Rivers and Creeks: (Length in miles through Glenn County)		
Sacramento River		26
Black Butte River, a tributary of Eel River		20
Stony Creek, main stream		68
Stony Creek, north fork		12
Briscoe Creek		12
Grindstone Creek		28
Cold Creek		6
Willow Creek		37
Butte Creek		10
Estimated number of wild game:		
Columbia Black Tail Deer		9,500
California Brown Bear		100
Wild Ducks		2,500,000
Wild Geese		275,000
Ring-neck Pheasants		40,000
California Valley Quail		10,000
Estimated number of predators:		
Mountain Lions		20
Coyotes		1,000
Bobcats		500
Badgers		50
Raccoons		3,000
Skunks		2,000
Mink		500
Other game:	Mountain Quail, Wild Pigeon and Doves	
Wild Game reported killed:		
Deer		757
Mountain Lions		20
Coyotes		182
Muskrats trapped		15,000

## CHEMICAL REPORT

5,931	Founds	Strychnine	Poisoned	Barley
34	Pounds	Strychnine	Poisoned	Milo
170	Pounds	Strychnine	Poisoned	Wheat
362	Pounds	Strychnine	Poisoned	Oats
1,063	Pounds	Strychnine	Poisoned	Rice
40,017	Founds	Poison	Bran -	(Sodium Fluoride)
1,172	Ounces	Ant	Poison -	(Sodium Arsenite)
125	Pounds	Red Squill	Grain and	Meat Bait
188	Pounds	Antu	Rodent	Bait
165	Pounds	"1080"	(Sodium	Fluoroacetate)
			and	Barley Bait
80	Quarts	Liquid	"1080"	Bait
123	Founds	Lead	Arsenate	
141	Gallons	Sodium	Arsenite	
22	Pints	Black-Leaf	40	
72	Pounds	DN-111		
160	Ounces	Cynogas		
25	Pounds	Naphalene	Crystals	
263	Pounds	DDT		
18	Gallons	Chlordane		
160	Pounds	Bluestone	and	Lime
4,172	Gallons	Diesel	Oil	
131	Gallons	Summer	Oil	
6	Gallons	Fish	Oil	
220	Founds	Sodium	Chlorate	
8,200	Pounds	Borax		
67	Gallons	Dow	General	
66	Gallons	Sinox		
97	Gallons	Kill-Tox		
150	Gallons	Cox-6		
715	Gallons	General	Petroleum	Weed Exterminator
200	Gallons	Hy-Kill		
194	Pounds	2,4-D		

5,942 lbs. of strychnine treated barley was used in squirrel control on 62,000 acres.

819 lbs. of one ounce baits were placed on 2,550 properties in rat control work.

885 lbs. of treated rice were used on 46 properties for the control of blackbirds in rice fields.

300 lbs. of treated small grain were distributed for the control of mice.

## PEST CONTROL

Pest control is an ever present necessity to the average farmer, either in the form of weed pests, insect pests, plant diseases or animal pests. A great deal of pest control work is carried on by the farmers independent of other sources. Public agencies offer assistance in certain types of pest control, and commercial pest control operators are of great assistance to farmers where large scale control is desired.

Weed Control. Weeds -- those plants which grow in places not wanted -- can be placed as making greater inroads on the farm income than any other single pest. During the year several thousand acres of crops were treated by commercial pest control operators for the control of weeds. The county department operated three weed spray machines attempting to control weeds growing on public thoroughfares and public property. Some assistance was also given to farmers in control of those more serious weeds such as hoary cress, Russian knapweed, puncture vine and Johnson grass.

Insect Control. Two inspectors were assigned to an insect pest survey throughout the major part of the county. Every citrus tree was carefully inspected to determine whether or not serious insect pests were present. In addition to the commercial groves inspected, all of the ornamental garden plants were also carefully inspected. Throughout the last year and a half, three separate properties were found infested with red scale. Fumigation was used to control this pest.

Plant Diseases. A careful inspection of the tree crops was completed early in the year with no new serious plant diseases found

Grasshopper Control. Several widespread heavy infestations of grasshoppers made their appearance this year. These were kept fairly well under control with the use of sodium fluride, bran and sawdust spread on range lands. In the irrigated farm lands newer insecticides gave very effective control. Both chlordane and DDT were used on several hundred acres.

Rodent Control. Treated grain was distributed to control the squirrels on 62,000 acres. In addition to squirrels, a heavy build-up in the rat population was quite general in the county. Late in the year, one man was assigned to rat control work. By using sodium fluoroacetate and several other recommended chemicals, good control measures have been effected.

## FARM SUMMARY

Farm production for the year 1948 compares very favorably with the all-time high farm income for the year 1947. With the general decrease in farm produce prices, it is probable that it will be several years before the high income peak of 1947 is exceeded. The farm income for the year 1948 was \$27,070,000 - or slightly less than the previous year's high record.

Lack of sufficient rainfall during the winter months can be credited with preventing the 1948 income surpassing that of the preceding year, as 11,000 fewer acres of rice were planted as a result of a water and power shortage.

Barley production for the year was 420,000 sacks greater than any previous year in the history of the county. The government purchase and loans on barley assisted materially in making barley the number one crop in income.

Ladino clover production for the year was also exceptionally high; 670,000 pounds of this valuable seed crop was produced. This exceeds the previous high year by 300,000 pounds. Ladino clover is making rapid strides toward becoming the nation's number one pasture crop.

The satisfactory prices received through much of the year were factors in bringing the income from a combination of livestock and dairy production to a record high for that branch of farming.

The apiary industry of the county has held at about a uniform level for several years. The income from the apiary production has been reasonably small. Actually, the benefits accruing to farmers from the honeybee pollination of the clover fields and orchards places the bee-keeping industry as largely responsible for the success of several major crops.

WEIGHTS AND MEASURES REPORT

(For the Year 1948)

Tested and sealed without correction:

28 Counter Scales  
14 Spring Scales  
29 Computing Scales  
52 Platform Scales  
32 Heavy Capacity Scales  
167 Weights  
104 Retail Measuring Pumps and Meters  
15 Wholesale Meters

Tested and sealed after correction:

23 Counter Scales  
7 Spring Scales  
25 Computing Scales  
54 Platform Scales  
29 Heavy Capacity Scales  
27 Weights  
18 Retail Measuring Pumps and Meters  
4 Wholesale Meters

Tested and found to be out of order:

4 Counter Scales  
1 Spring Scale  
14 Computing Scales  
11 Platform Scales  
2 Heavy Capacity Scales  
6 Weights  
3 Retail Measuring Pumps and Meters  
1 Wholesale Meter

Condemned and confiscated:

1 Platform Scale

During the calendar year 289 establishments were visited  
and 214 certificates issued.