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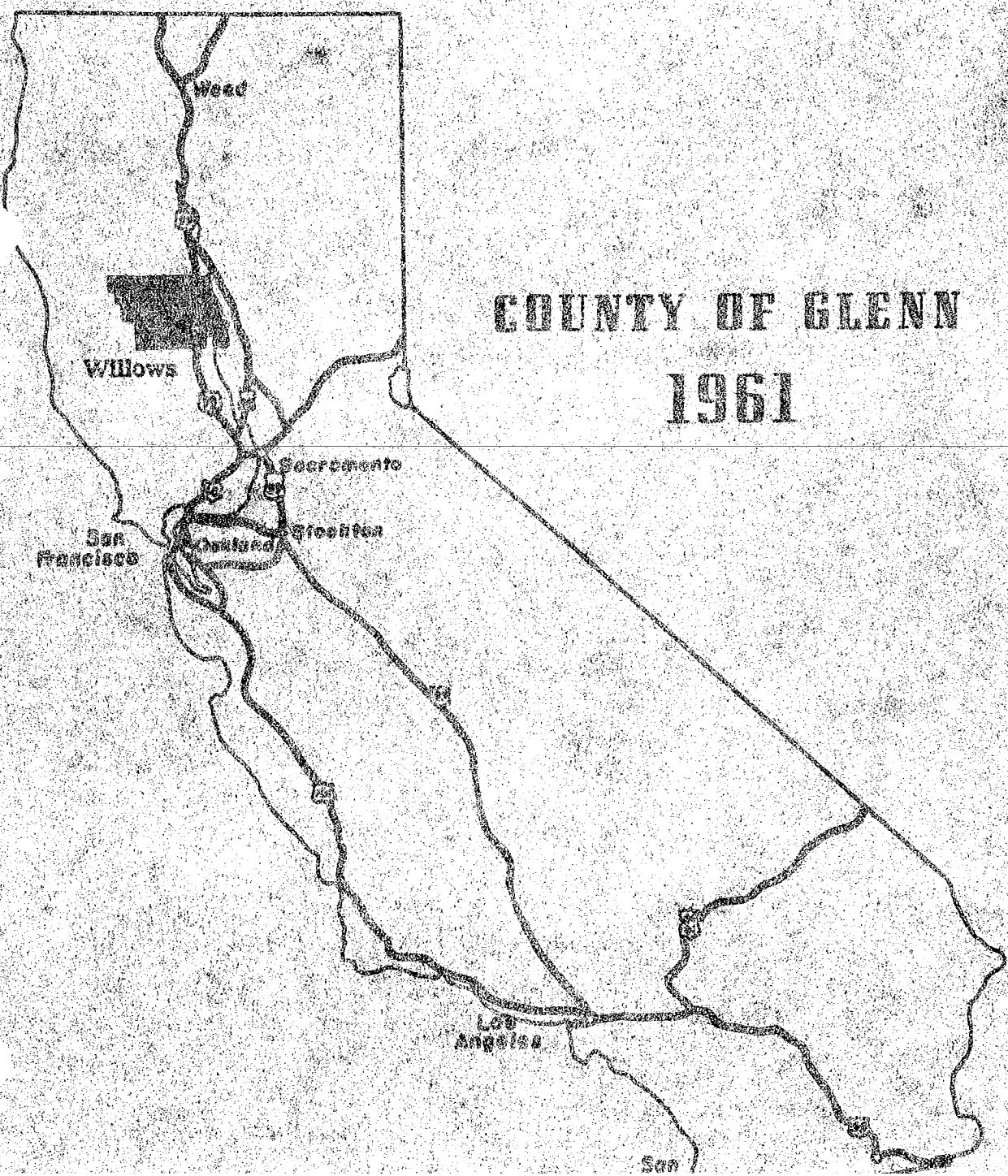
# ANNUAL REPORT

P. V. HARRIGAN

Agricultural Commissioner

and

Sealer of Weights and Measures



COUNTY OF GLENN

1961

**GLENN COUNTY DEPARTMENT OF AGRICULTURE**  
WILLOWS, CALIFORNIA

**ANNUAL REPORT**  
**1961**

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

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P. V. HARRIGAN  
Agricultural Commissioner  
Sealer of Weights and Measures  
County Livestock Inspector



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"Where Water Is King"

## COUNTY OF GLENN

WILLOWS, CALIFORNIA

Charles Paul, Director  
California State Department of Agriculture  
and  
The Board of Supervisors of Glenn County

Gentlemen:

The California Agricultural Code, Section 65.5, requires the Agricultural Commissioner to compile a report covering the condition, acreage, production and value of the agricultural products of his county; and Section 65 requires that the Commissioner keep a record of his official acts and make an annual report to the Director of Agriculture on the conditions of the agricultural interests in his county; and, further, Section 30 indicates that the Agricultural Department shall promote and protect the agricultural industry of the state.

This is the 25th annual crop report by the Glenn County Agricultural Commissioner. The report covers in a brief way the general trends in the agricultural development of Glenn County.

The Glenn County farm income for 1961 was the highest on record and has been tabulated at \$50,857,400. This is a gain of \$1,501,800 over the previous high mark made in 1960. With few exceptions, most crops showed substantial increases. The crops that made the greatest gains were almonds, prunes, and dairy products; and their total increase for the year was \$946,000. The two principal crops showing a decrease were sheep and lambs, and citrus. The loss suffered by the sheepmen was created largely by the effects from imports, marketing problems and a lighter than usual lamb crop. The loss in citrus was caused by the "June drop," which was a direct result of the intense heat last June and caused the trees to lose most of their fruit.

Growing nursery stock, a relatively new industry in Glenn County, includes citrus trees, roses and various ornamental type plants. Sales for this new industry amounted to \$41,000 from the first year of operations.

Approximately 4,500 acres of land were leveled for irrigation, and 35 new wells were drilled and pumps installed. The general trend is toward more irrigated crops as water for irrigation becomes available.

Respectfully submitted,

*P. V. Harrigan*

P. V. HARRIGAN  
Agricultural Commissioner

# 1961 PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS

## FIELD CROPS: ACREAGE, PRODUCTION AND VALUE, 1960-1961

| Crop                    | Year | Harvested<br>acreage | Production |        | Unit | Value    |              |
|-------------------------|------|----------------------|------------|--------|------|----------|--------------|
|                         |      |                      | Per acre   | Total  |      | Per unit | Total        |
| Barley                  | 1961 | 60,000               | 0.900      | 54,000 | Ton  | \$ 45.40 | \$ 2,451,600 |
|                         | 1960 | 60,000               | 0.850      | 51,000 | "    | 40.00    | 2,040,000    |
| Beans and<br>Field Peas | 1961 | 1,880                | 0.621      | 1,170  | "    | 200.00   | 234,000      |
|                         | 1960 | 1,250                | 0.700      | 875    | "    | 170.00   | 149,000      |
| Corn, Field             | 1961 | 1,000                | 2.50       | 2,500  | "    | 49.60    | 124,000      |
|                         | 1960 | 1,300                | 2.13       | 2,770  | "    | 48.00    | 133,000      |
| Hay<br>Alfalfa          | 1961 | 17,100               | 5.5        | 94,000 | "    | 19.00    | 1,786,000    |
|                         | 1960 | 17,100               | 4.8        | 82,100 | "    | 24.00    | 1,970,000    |
| Clover                  | 1961 | 12,000               | 1.00       | 12,000 | "    | 10.00    | 120,000      |
|                         | 1960 | 11,000               | 1.25       | 13,800 | "    | 14.00    | 193,000      |
| Mixed                   | 1961 | 10,000               | 2.25       | 22,500 | "    | 15.00    | 337,500      |
|                         | 1960 | 10,000               | 2.25       | 22,500 | "    | 19.00    | 428,000      |
| Oats                    | 1961 | 1,000                | 0.75       | 750    | "    | 45.00    | 33,800       |
|                         | 1960 | 1,000                | 0.85       | 850    | "    | 46.50    | 39,500       |
| Pasture<br>Irrigated    | 1961 | 75,000               |            |        | Acre | 38.00    | 2,774,000    |
|                         | 1960 | 73,000               |            |        | "    | 38.00    | 2,774,000    |
| Range                   | 1961 | 250,000              |            |        | "    | 2.15     | 538,000      |
|                         | 1960 | 250,000              |            |        | "    | 2.15     | 538,000      |
| Stubble                 | 1961 | 90,000               |            |        | "    | 2.00     | 180,000      |
|                         | 1960 | 100,000              |            |        | "    | 2.50     | 250,000      |
| Rice                    | 1961 | 36,700               | 2.36       | 86,600 | Ton  | 94.00    | 8,140,000    |
|                         | 1960 | 36,200               | 2.75       | 99,600 | "    | 85.00    | 8,466,000    |
| Safflower               | 1961 | 18,300               | 0.55       | 10,060 | "    | 93.60    | 941,600      |
|                         | 1960 | 21,500               | 0.437      | 9,400  | "    | 80.00    | 752,000      |
| Sorghum<br>Grain        | 1961 | 8,000                | 2.00       | 16,000 | "    | 41.80    | 668,800      |
|                         | 1960 | 12,000               | 2.00       | 24,000 | "    | 36.40    | 874,000      |
| Sugar Beets             | 1961 | 2,190                | 14.40      | 31,500 | "    | 12.85    | 404,800      |
|                         | 1960 | 2,190                | 15.30      | 33,500 | "    | 11.40    | 382,000      |
| Wheat                   | 1961 | 3,000                | 0.75       | 2,250  | "    | 65.00    | 146,300      |
|                         | 1960 | 3,030                | 0.95       | 2,880  | "    | 59.00    | 170,000      |
| Miscellaneous<br>Crops  | 1961 | 1,500                |            |        | Acre |          | 60,000       |
|                         | 1960 | 3,000                |            |        | "    |          | 172,000      |
| TOTAL                   | 1961 |                      |            |        |      |          | \$18,940,400 |
|                         | 1960 |                      |            |        |      |          | \$19,330,500 |

**LIVESTOCK AND POULTRY: PRODUCTION AND VALUE, 1960-1961**

| Item              | Year | Production  |                  | Unit | Value    |              |
|-------------------|------|-------------|------------------|------|----------|--------------|
|                   |      | No. of Head | Total Liveweight |      | Per Unit | Total        |
| Cattle and Calves | 1961 | 73,500      | 527,000          | Cwt. | \$23.00  | \$12,121,000 |
|                   | 1960 | 67,200      | 482,000          | "    | 21.20    | 10,218,000   |
| Sheep and Lambs   | 1961 | 136,400     | 148,000          | "    | 15.00    | 2,220,000    |
|                   | 1960 | 181,000     | 196,000          | "    | 15.10    | 2,960,000    |
| Hogs and Pigs     | 1961 | 30,300      | 60,600           | "    | 19.50    | 1,182,000    |
|                   | 1960 | 26,400      | 46,600           | "    | 17.00    | 792,000      |
| Chickens,<br>all  | 1961 |             | 35,000           | Lbs. | .17      | 6,000        |
|                   | 1960 |             | 42,500           | "    | .16      | 6,800        |
| Turkeys           | 1961 |             | 841,000          | "    | .27      | 227,000      |
|                   | 1960 |             | 1,062,000        | "    | .26      | 276,000      |
| TOTAL             | 1961 |             |                  |      |          | \$15,756,000 |
|                   | 1960 |             |                  |      |          | \$14,252,800 |

**LIVESTOCK AND POULTRY PRODUCTS:  
PRODUCTION AND VALUE, 1960-1961**

| Item                       | Year | Production | Unit | Value    |              |
|----------------------------|------|------------|------|----------|--------------|
|                            |      |            |      | Per Unit | Total        |
| Milk<br>Market             | 1961 | 407,000    | Cwt. | \$4.69   | \$ 1,909,000 |
|                            | 1960 | 363,000    | "    | 4.81     | 1,746,000    |
| Manufacturing              | 1961 | 892,000    | "    | 3.47     | 3,095,000    |
|                            | 1960 | 948,000    | "    | 3.28     | 3,109,000    |
| Wool                       | 1961 | 1,125,000  | Lbs. | .47      | 529,000      |
|                            | 1960 | 1,207,000  | "    | .44      | 531,000      |
| Eggs, Chicken<br>(market)  | 1961 | 290,500    | Doz. | .35      | 102,000      |
|                            | 1960 | 487,000    | "    | .35      | 170,000      |
| Eggs, Turkey<br>(hatching) | 1961 | 1,237,100  | Ea.  | .25      | 309,000      |
|                            | 1960 | 908,000    | "    | .25      | 227,000      |
| TOTAL                      | 1961 |            |      |          | \$ 5,944,000 |
|                            | 1960 |            |      |          | \$ 5,783,000 |

### FRUIT & NUT CROPS: ACREAGE, PRODUCTION AND VALUE, 1960-1961

| Crop   | Year | Bearing Acreage | Production |       | Unit | Value    |              |
|--|------|-----------------|------------|-------|------|----------|--------------|
|  |      |                 | Per ac.    | Total |      | Per Unit | Total        |
| Almonds  | 1961 | 3,157           | .80        | 2,520 | Ton  | \$540.00 | \$ 1,361,000 |
|  | 1960 | 3,023           | .64        | 1,950 | "    | 488.00   | 952,000      |
| Apricots   | 1961 | 138             | 3.24       | 447   | "    | 116.00   | 51,900       |
|  | 1960 | 138             | 4.39       | 619   | "    | 145.00   | 89,800       |
| Olives   | 1961 | 959             | 3.14       | 3,010 | "    | 149.00   | 448,000      |
|  | 1960 | 882             | 2.82       | 2,490 | "    | 145.00   | 361,000      |
| Oranges  | 1961 | 605             | .94        | 570   | "    | 290.00   | 165,000      |
|  | 1960 | 605             | 1.65       | 998   | "    | 147.00   | 147,000      |
| Peaches  | 1961 | 51              | 5.50       | 300   | "    | 53.00    | 15,900       |
|  | 1960 | 40              | 6.00       | 240   | "    | 45.00    | 10,800       |
| Prunes   | 1961 | 1,487           | 2.78       | 4,145 | "    | 330.00   | 1,368,000    |
|  | 1960 | 1,450           | 1.75       | 2,520 | "    | 389.00   | 980,000      |
| Pears  | 1961 | 220             | 13.73      | 3,020 | "    | 100.00   | 302,000      |
|  | 1960 | 173             | 8.78       | 1,520 | "    | 156.00   | 237,000      |
| Walnuts  | 1961 | 961             | .61        | 590   | "    | 445.00   | 263,000      |
|  | 1960 | 961             | .56        | 534   | "    | 529.00   | 282,000      |
| Walnuts, Black                                     | 1961 | 200             | 1.5        | 300   | "    | 20.00    | 6,000        |
|  | 1960 | 350             |            | 895   | "    | 20.70    | 18,500       |
| Almond Hulls,<br>Fruit Pits, etc.<br>(by-products) | 1961 |                 |            | 760   | "    | 7.00     | 5,300        |
|  | 1960 |                 |            | 1,300 | "    | 7.00     | 9,100        |
| Miscellaneous<br>Fruits                            | 1961 | 12              |            |       |      |          | 3,900        |
|  | 1960 |                 |            |       |      |          |              |
| TOTALS   | 1961 |                 |            |       |      |          | \$ 3,990,000 |
|  | 1960 |                 |            |       |      |          | \$ 3,087,200 |

### VEGETABLE CROPS: ACREAGE, PRODUCTION AND VALUE, 1960-1961

| Crop     | Year | Harvested acreage | Production |       | Unit | Value    |            |
|----------|------|-------------------|------------|-------|------|----------|------------|
|          |      |                   | Per ac.    | Total |      | Per unit | Total      |
| Tomatoes | 1961 | 720               | 9.0        | 6,480 | Ton  | \$ 30.00 | \$ 194,400 |
|          | 1960 | 175               | 8.2        | 1,430 | "    | 22.50    | 32,200     |
| TOTAL    | 1961 |                   |            |       |      |          | \$ 194,400 |
|          | 1960 |                   |            |       |      |          | \$ 32,200  |

### NURSERY PRODUCTS: PRODUCTION AREA, SALES & VALUE, 1960-1961

| Item          | Year | Production area |               | Quantity sold by producers | Unit | Value    |           |
|---------------|------|-----------------|---------------|----------------------------|------|----------|-----------|
|               |      | Field acres     | House sq. ft. |                            |      | Per Unit | Total     |
| Nursery Crops | 1961 |                 |               |                            |      |          | \$ 41,000 |
|               | 1960 |                 |               |                            |      |          |           |
| TOTAL         | 1961 |                 |               |                            |      |          | \$ 41,000 |
|               | 1960 |                 |               |                            |      |          |           |

**JANUARY 1, INVENTORIES OF LIVESTOCK AND POULTRY, 1961-1962**  
(in number of head)

| Item                           | January 1, 1961 | January 1, 1962 |
|--------------------------------|-----------------|-----------------|
| Cattle and calves              |                 |                 |
| All                            | 70,700          | 71,300          |
| Milk Cows, 2 years and over    | 19,500          | 18,800          |
| Cattle and Calves on feed lot  | 6,000           | 6,000           |
| Sheep and lambs                |                 |                 |
| All                            | 197,000         | 179,000         |
| Stock Sheep                    | 149,000         | 134,000         |
| Sheep and Lambs on feed        | 48,000          | 45,000          |
| Hogs and Pigs                  | 12,600          | 12,500          |
| Hens and Pullets of laying age | 43,000          | 40,000          |
| Turkey Breeder Hens            | 11,000          | 14,000          |

**SEED CROPS: ACREAGE, PRODUCTION AND VALUE, 1960-1961**

| Crop             | Year | Harvested<br>acres | Production |           | Unit | Value    |             |
|------------------|------|--------------------|------------|-----------|------|----------|-------------|
|                  |      |                    | Per ac.    | Total     |      | Per unit | Total       |
| Alfalfa          | 1961 | 350                | 260        | 91,000    | lbs. | \$ .36   | \$ 32,800   |
|                  | 1960 | 800                | 247        | 198,000   | "    | .32      | 63,400      |
| Barley           | 1961 | 120                | 38         | 4,560     | cwt. | 2.50     | 11,400      |
|                  | 1960 | 105                | 30         | 3,150     | "    | 3.25     | 10,200      |
| Ladino<br>Clover | 1961 | 13,100             | 245        | 3,209,500 | lbs. | .55      | 1,765,000   |
|                  | 1960 | 10,800             | 242        | 2,612,000 | "    | .67      | 1,750,000   |
| Other<br>Clovers | 1961 | 450                | 355        | 159,800   | "    | .46      | 73,500      |
|                  | 1960 | 250                | 660        | 165,000   | "    | .42      | 69,300      |
| Rice             | 1961 | 570                | 55         | 31,400    | cwt. | 6.50     | 204,100     |
|                  | 1960 | 755                | 55         | 41,500    | "    | 5.50     | 228,000     |
| Sudan            | 1961 | 1,320              | 11         | 14,500    | "    | 6.00     | 87,000      |
|                  | 1960 | 425                | 17         | 7,220     | "    | 6.00     | 43,300      |
| Trefoil          | 1961 | 50                 | 162        | 8,100     | lbs. | .75      | 6,100       |
|                  | 1960 | 209                | 79         | 16,500    | "    | .85      | 14,000      |
| Other<br>Seed    | 1961 |                    |            | 950,000   | "    |          | 60,000      |
|                  | 1960 |                    |            | 925,000   | "    |          | 51,100      |
| TOTAL            | 1961 |                    |            |           |      |          | \$2,239,900 |
|                  | 1960 |                    |            |           |      |          | \$2,229,300 |

## APIARY PRODUCTS: PRODUCTION AND VALUE, 1960-1961

| Item         | Year | Production<br>Total | Unit | Value       |           |
|--------------|------|---------------------|------|-------------|-----------|
|              |      |                     |      | Per<br>Unit | Total     |
| Honey        | 1961 | 308,700             | lbs. | .10         | \$ 30,900 |
|              | 1960 | 228,200             | lbs. | .10         | 22,800    |
| Beeswax      | 1961 | 8,020               | lbs. | .45         | 3,600     |
|              | 1960 | 6,300               | lbs. | .43         | 2,700     |
| Package Bees | 1961 | 61,036              | lbs. | 1.40        | 85,500    |
|              | 1960 | 56,900              | lbs. | 1.50        | 85,400    |
| Queen Bees   | 1961 | 32,700              | ea.  | 1.55        | 50,700    |
|              | 1960 | 30,200              | ea.  | 1.25        | 37,800    |
| Pollination  | 1961 |                     |      |             | 29,700    |
|              | 1960 |                     |      |             | 25,100    |
| TOTAL        | 1961 |                     |      |             | \$200,400 |
|              | 1960 |                     |      |             | \$173,800 |

## PRODUCTION AND VALUE OF AGRICULTURAL PRODUCTS GLENN COUNTY, CALIFORNIA RECAPITULATION

|  |                     |                     |
|--|---------------------|---------------------|
|  | 1961                | 1960                |
| Field Crops .....                            | \$18,940,400        | \$19,330,500        |
| Livestock and Poultry .....                  | 15,756,000          | 14,252,800          |
| Dairy Products, Wool & Eggs .....            | 5,944,000           | 5,783,000           |
| Fruit and Nut Crops .....                    | 3,990,000           | 3,087,200           |
| Seed Crops from Certified Sowed Seed .....   | 2,239,900           | 2,229,300           |
| Vegetable Crops .....                        | 194,400             | 32,200              |
| Apiary Industry Crop .....                   | 200,400             | 173,800             |
| Nursery Products Total Income .....          | 41,000              |                     |
| <b>TOTALS</b> .....                          | <b>\$47,306,100</b> | <b>\$44,888,800</b> |
| <b>GOVERNMENT PARTICIPATION:</b>             |                     |                     |
| Agriculture Conservation .....               | \$ 78,800           | \$ 70,000           |
| Wool Incentive .....                         | 298,700             | 396,300             |
| Soil Bank .....                              | 139,200             | 119,900             |
| Sugar Beet, Processor & Import .....         | 64,600              | 70,600              |
| <b>TOTALS</b> .....                          | <b>\$ 581,300</b>   | <b>\$ 656,800</b>   |
| <b>FOREST PRODUCTS:</b>                      |                     |                     |
| Logs & Milled Lumber .....                   | \$ 2,700,000        | \$ 3,515,000        |
| Land Lease Rental Gas Industries .....       | 270,000             | 295,000             |
| <b>TOTALS</b> .....                          | <b>\$ 2,970,000</b> | <b>\$3,810,000</b>  |
| <b>GRAND TOTAL AGRICULTURAL INCOME</b> ..... | <b>\$50,857,400</b> | <b>\$49,355,600</b> |
| <b>OTHER INCOME — Natural Gas</b>            |                     |                     |
| 1961 .....                                   | 28,009,000          | M. C. F.            |
| 1960 .....                                   | 30,413,200          | M. C. F.            |



## PRODUCTION AND VALUE O

| Year | Rice<br>Cwt. | Rice<br>Value | Barley<br>Cwt. | Barley<br>Value | Ladino<br>Seed<br>Pounds | Ladino<br>Seed<br>Value |
|------|--------------|---------------|----------------|-----------------|--------------------------|-------------------------|
| 1940 | 409,000      | \$ 511,000    | 317,500        | \$ 259,000      | 119,000                  | \$ 96,000               |
| 1945 | 690,000      | 2,243,000     | 675,000        | 1,671,000       | 350,000                  | 525,000                 |
| 1950 | 900,000      | 4,050,000     | 651,000        | 1,510,000       | 2,280,000                | 2,736,000               |
| 1951 | 1,060,000    | 5,088,000     | 500,000        | 1,550,000       | 3,200,000                | 3,765,000               |
| 1952 | 1,500,000    | 9,000,000     | 500,000        | 1,700,000       | 4,650,000                | 4,500,000               |
| 1953 | 1,428,000    | 7,500,000     | 650,000        | 1,850,000       | 2,865,000                | 1,060,000               |
| 1954 | 1,400,000    | 6,300,000     | 750,000        | 1,800,000       | 1,915,000                | 1,053,000               |
| 1955 | 1,500,000    | 6,750,000     | 600,000        | 1,500,000       | 3,002,000                | 1,622,000               |
| 1956 | 1,500,000    | 6,400,000     | 750,000        | 1,690,000       | 3,050,000                | 1,525,000               |
| 1957 | 1,707,200    | 7,938,400     | 1,742,000      | 3,222,700       | 1,167,000                | 304,000                 |
| 1958 | 1,629,000    | 6,744,000     | 653,000        | 1,450,200       | 2,044,800                | 1,022,400               |
| 1959 | 1,857,900    | 7,617,500     | 971,500        | 2,015,900       | 2,337,500                | 1,303,400               |
| 1960 | 1,874,900    | 7,989,600     | 1,020,000      | 2,040,000       | 2,612,200                | 1,750,200               |
| 1961 | 1,732,000    | 8,140,000     | 1,080,000      | 2,451,600       | 3,209,500                | 1,765,000               |

| Year | Prunes<br>Pounds | Prunes<br>Value | Olives<br>Pounds | Olives<br>Value | Oranges<br>Boxes | Oranges<br>Value |
|------|------------------|-----------------|------------------|-----------------|------------------|------------------|
| 1940 | 2,584,000        | \$ 97,500       | 2,276,000        | \$ 96,500       | 103,500          | \$ 207,000       |
| 1945 | 6,000,000        | 600,000         | 2,690,000        | 464,000         | 85,000           | 340,000          |
| 1950 | 3,300,000        | 418,000         | 3,123,000        | 558,000         | 78,000           | 234,000          |
| 1951 | 5,544,000        | 612,000         | 4,000,000        | 812,000         | 105,000          | 368,000          |
| 1952 | 5,750,000        | 630,000         | 3,650,000        | 580,000         | 86,000           | 350,000          |
| 1953 | 4,550,000        | 550,000         | 1,250,000        | 112,000         | 125,000          | 625,000          |
| 1954 | 7,800,000        | 877,000         | 5,000,000        | 375,000         | 120,000          | 490,000          |
| 1955 | 4,600,000        | 759,000         | 1,350,000        | 160,000         | 100,000          | 400,000          |
| 1956 | 7,500,000        | 900,000         | 6,165,000        | 308,000         | 90,500           | 428,000          |
| 1957 | 8,250,000        | 1,080,000       | 1,245,000        | 216,000         | 176,000          | 572,000          |
| 1958 | 8,500,000        | 1,572,500       | 1,240,000        | 72,000          | 240,000          | 840,000          |
| 1959 | 6,941,400        | 1,298,700       | 1,933,200        | 211,400         | 213,000          | 681,000          |
| 1960 | 5,046,000        | 983,700         | 5,158,000        | 373,900         | 53,400           | 146,300          |
| 1961 | 8,286,000        | 1,368,000       | 6,020,000        | 448,000         | 30,800           | 165,000          |

| Year | Hogs<br>Head | Hogs<br>Value | Lambs & Sheep    |                            | Sheep & Wool<br>Value | Turkeys<br>Pounds |
|------|--------------|---------------|------------------|----------------------------|-----------------------|-------------------|
|      |              |               | Marketed<br>Head | Wool<br>Marketed<br>Pounds |                       |                   |
| 1940 | 35,000       | \$ 436,000    | 106,700          | 1,245,000                  | \$ 1,110,500          | 1,693,000         |
| 1945 | 17,500       | 612,500       | 141,000          | 1,160,000                  | 2,262,000             | 2,382,000         |
| 1950 | 28,000       | 1,175,000     | 110,000          | 1,000,000                  | 3,526,000             | 1,265,000         |
| 1951 | 47,500       | 2,000,000     | 130,000          | 1,375,000                  | 4,263,000             | 1,250,000         |
| 1952 | 52,000       | 1,672,000     | 169,000          | 1,630,000                  | 4,753,000             | 1,325,000         |
| 1953 | 30,000       | 994,000       | 163,000          | 1,200,000                  | 3,397,000             | 850,000           |
| 1954 | 20,000       | 720,000       | 150,000          | 1,200,000                  | 3,140,000             | 1,140,000         |
| 1955 | 22,000       | 700,000       | 160,000          | 1,260,000                  | 2,937,000             | 1,200,000         |
| 1956 | 19,000       | 650,000       | 160,000          | 1,100,000                  | 3,195,000             | 1,000,000         |
| 1957 | 18,000       | 612,000       | 170,000          | 1,278,000                  | 3,748,000             | 1,409,400         |
| 1958 | 18,200       | 612,000       | 174,000          | 1,300,000                  | 3,827,000             | 1,374,200         |
| 1959 | 23,650       | 674,000       | 186,200          | 1,403,600                  | 3,564,400             | 1,483,000         |
| 1960 | 26,400       | 852,000       | 181,000          | 1,207,400                  | 3,489,000             | 1,061,700         |
| 1961 | 30,300       | 1,182,000     | 136,400          | 1,125,000                  | 2,749,000             | 841,000           |

## PRINCIPAL COMMODITIES

| Other Field<br>& Seed Crops<br>Cwt. | Other Field<br>& Seed Crops<br>Value | Almonds<br>Pounds | Almonds<br>Value | Walnuts<br>Pounds | Walnuts<br>Value |
|-------------------------------------|--------------------------------------|-------------------|------------------|-------------------|------------------|
| 118,000                             | \$ 137,000                           | 2,016,000         | \$ 302,000       | 1,203,000         | \$ 63,000        |
| 97,000                              | 309,000                              | 1,900,000         | 741,000          | 542,000           | 90,000           |
| 91,000                              | 407,000                              | 3,500,000         | 1,085,000        | 929,000           | 141,000          |
| 66,000                              | 361,000                              | 3,500,000         | 1,050,000        | 1,166,000         | 212,000          |
| 112,000                             | 578,000                              | 3,750,000         | 1,025,000        | 1,085,000         | 199,000          |
| 223,000                             | 895,000                              | 3,300,000         | 780,000          | 920,000           | 155,000          |
| 268,000                             | 1,205,000                            | 2,225,000         | 587,000          | 875,000           | 123,000          |
| 502,000                             | 2,842,000                            | 1,150,000         | 460,000          | 800,000           | 214,000          |
| 1,995,000                           | 1,871,000                            | 3,900,000         | 1,560,000        | 1,032,000         | 228,000          |
| 2,095,000                           | 1,230,000                            | 2,125,000         | 1,170,000        | 594,200           | 143,000          |
| 1,237,000                           | 2,707,000                            | 668,000           | 258,500          | 1,384,000         | 207,600          |
| 1,380,000                           | 2,848,000                            | 6,595,500         | 1,481,800        | 815,000           | 194,200          |
| 1,508,000                           | 2,978,000                            | 3,884,000         | 947,900          | 1,068,000         | 283,000          |
| 1,441,000                           | 2,553,000                            | 5,040,000         | 1,361,000        | 1,180,000         | 263,000          |

| Other Fruit<br>& Dried<br>Pounds | Other Fruit<br>Fresh & Dried<br>Value | Butterfat<br>Pounds | Butterfat<br>Value | Cattle & Calves<br>Marketed<br>Head | Cattle & Calves<br>Value |
|----------------------------------|---------------------------------------|---------------------|--------------------|-------------------------------------|--------------------------|
| 3,083,500                        | \$ 95,000                             | 1,879,000           | \$ 751,000         | 9,000                               | \$ 676,000               |
| 4,649,000                        | 328,000                               | 3,343,500           | 2,841,000          | 24,500                              | 1,636,500                |
| 4,177,000                        | 295,000                               | 3,711,000           | 3,711,000          | 41,300                              | 7,000,500                |
| 7,562,000                        | 440,000                               | 3,807,000           | 3,970,000          | 44,200                              | 8,294,500                |
| 9,112,000                        | 510,000                               | 3,875,000           | 4,601,000          | 41,500                              | 5,540,000                |
| 5,700,000                        | 376,000                               | 4,802,000           | 5,010,000          | 43,500                              | 3,755,000                |
| 7,450,000                        | 310,000                               | 5,136,000           | 4,402,000          | 45,000                              | 3,550,000                |
| 7,837,000                        | 320,000                               | 5,485,000           | 4,831,000          | 45,000                              | 3,925,000                |
| 6,840,000                        | 445,000                               | 5,014,000           | 4,516,000          | 46,000                              | 5,200,000                |
| 5,389,100                        | 444,000                               | 5,510,000           | 4,787,000          | 46,500                              | 6,446,000                |
| 6,130,000                        | 484,000                               | 5,025,000           | 4,632,000          | 60,000                              | 10,046,000               |
| 3,513,000                        | 303,200                               | 4,573,100           | 4,539,000          | 62,000                              | 9,530,800                |
| 3,477,400                        | 337,800                               | 5,034,200           | 4,930,000          | 67,000                              | 10,200,000               |
| 7,534,000                        | 648,000                               | 5,040,000           | 5,004,000          | 73,500                              | 12,121,000               |

| Turkey<br>Eggs<br>Each | Turkeys & Eggs<br>Value | Pounds<br>Packaged<br>Bees | Honey<br>Tons | Bees & Honey<br>Value | Lumber<br>& Logs<br>Bd. Feet | Lumber<br>& Logs<br>Value |
|------------------------|-------------------------|----------------------------|---------------|-----------------------|------------------------------|---------------------------|
| 99,000                 | \$ 303,000              | 19,700                     | 270           | \$ 34,000             |                              | \$                        |
| 841,000                | 1,205,000               | 30,000                     | 114           | 76,500                | 500,000                      | 20,000                    |
| 400,000                | 547,000                 | 25,000                     | 144           | 63,500                | 7,000,000                    | 240,000                   |
| 351,000                | 686,000                 | 24,500                     | 462           | 123,000               | 29,000,000                   | 1,067,500                 |
| 440,000                | 697,000                 | 26,500                     | 450           | 131,500               | 23,000,000                   | 1,647,500                 |
| 290,000                | 433,000                 | 25,000                     | 325           | 121,500               | 27,000,000                   | 1,956,000                 |
| 317,000                | 599,000                 | 25,000                     | 325           | 95,000                | 32,000,000                   | 2,000,000                 |
| 376,000                | 477,000                 | 32,000                     | 425           | 125,000               | 37,000,000                   | 2,600,000                 |
| 400,000                | 436,000                 | 38,000                     | 400           | 143,000               | 39,500,000                   | 2,902,000                 |
| 333,600                | 538,000                 | 52,850                     | 210           | 157,000               | 69,000,000                   | 2,501,800                 |
| 350,000                | 551,000                 | 60,300                     | 333           | 204,200               | 71,500,000                   | 3,515,000                 |
| 350,000                | 489,100                 | 59,600                     | 169           | 137,400               | 71,500,000                   | 3,515,000                 |
| 308,400                | 446,400                 | 56,900                     | 114           | 173,800               | 71,500,000                   | 3,515,000                 |
| 337,100                | 536,000                 | 61,036                     | 154           | 200,400               | 51,000,000                   | 2,700,000                 |

## GLENN COUNTY'S POSITION IN STATE PRODUCTION

Below is listed Glenn County's position in comparison to the 58 counties of California:

Glenn County ranks 24th in Agricultural Crop Value

|                                   |      |
|-----------------------------------|------|
| Land area .....                   | 35th |
| Ladino Clover Seed .....          | 1st  |
| Sheep and Lambs .....             | 2nd  |
| Safflower .....                   | 4th  |
| Rice .....                        | 4th  |
| Permanent Pasture (irrigated) ... | 5th  |
| Olives .....                      | 5th  |
| Hogs .....                        | 6th  |
| Figs .....                        | 6th  |
| Bees and Honey .....              | 8th  |
| Almonds .....                     | 9th  |
| Apricots .....                    | 9th  |
| Prunes .....                      | 11th |
| Barley .....                      | 12th |
| Navel Oranges .....               | 13th |
| Cattle, All .....                 | 13th |
| Pears .....                       | 17th |
| Alfalfa Hay .....                 | 18th |
| Wheat .....                       | 18th |
| Dairy Products .....              | 19th |
| Peaches .....                     | 20th |
| Sugar Beets .....                 | 22nd |
| Dry Beans .....                   | 23rd |
| Walnuts .....                     | 24th |
| Commercial Timber Land .....      | 28th |

### WILDLIFE

|                 |      |
|-----------------|------|
| Geese .....     | 4th  |
| Ducks .....     | 4th  |
| Muskrats .....  | 4th  |
| Pheasants ..... | 9th  |
| Deer .....      | 33rd |

The following are commodities produced in the county that grossed over a million dollars each during 1961:

1. Rice
2. Hogs
3. Cattle
4. Milled Lumber
5. Manufacturing Milk
6. Sheep and Lambs
7. Irrigated Pasture
8. Barley
9. Alfalfa Hay
10. Fruit Crops
11. Market Milk
12. Ladino Clover Seed
13. Nut Crops

### PETROLEUM INCOME

Bee Hive Bend — Largest Natural Gas field in California

Estimates rate Glenn County 4th richest per capita in the United States.

Population of Glenn County ..... 20,200

### AGRICULTURE INCOME TOTALS FOR 25 YEARS

| Year       | Amount       | Year                | Amount        |
|------------|--------------|---------------------|---------------|
| 1937 ..... | \$ 6,450,700 | 1950 .....          | \$ 30,637,000 |
| 1938 ..... | 5,670,300    | 1951 .....          | 39,005,000    |
| 1939 ..... | 7,698,200    | 1952 .....          | 42,473,700    |
| 1940 ..... | 8,206,700    | 1953 .....          | 33,267,000    |
| 1941 ..... | 10,587,500   | 1954 .....          | 31,364,000    |
| 1942 ..... | 11,973,200   | 1955 .....          | 34,570,000    |
| 1943 ..... | 13,824,600   | 1956 .....          | 37,970,000    |
| 1944 ..... | 19,047,000   | 1957 .....          | 43,000,000    |
| 1945 ..... | 18,577,000   | 1958 .....          | 45,448,000    |
| 1946 ..... | 22,260,000   | 1959 .....          | 47,987,800    |
| 1947 ..... | 27,935,000   | 1960 .....          | 49,355,600    |
| 1948 ..... | 27,070,000   | 1961 .....          | 50,857,400    |
| 1949 ..... | 24,820,000   |                     |               |
|            |              | 25-Year Total ..... | \$690,055,700 |

## United States Department of Agriculture Stabilization And Conservation Participation — 1961

### SUPPORT PRICES ALLOWED FOR COMMODITIES (when put under loan or purchase agreement)

|  |              |
|--|--------------|
| Barley .....                                       | \$ 2.15 cwt. |
| Beans, Medium white .....                          | 6.40 cwt.    |
| Small white .....                                  | 7.21 cwt.    |
| Red kidney .....                                   | 8.39 cwt.    |
| Pink .....   | 7.01 cwt.    |
| Pinto .....  | 6.08 cwt.    |
| Small red .....                                    | 7.11 cwt.    |
| Large lima .....                                   | 9.93 cwt.    |
| Baby lima .....                                    | 5.28 cwt.    |
| Yellow Corn .....                                  | 2.14 cwt.    |
| Grain Sorghum (Discolored Discount .07 cwt.) ..... | 2.26 cwt.    |
| Oats .....   | 1.94 cwt.    |
| Rice (20c premium for No. 1) .....                 | 4.71 cwt.    |
| Wheat .....  | 3.12 cwt.    |
| Honey .....  | .09 lb.      |

### COMMODITIES UNDER LOAN — 1961

|                                   |            |              |              |
|-----------------------------------|------------|--------------|--------------|
| Warehouse Stored Loans .....      | 13,355 bu. | \$ 15,558.00 |              |
| Farm Storage Facility Loans ..... |            | 165,875.00   |              |
| Warehouse Stored Bean Loans ..... | 53,100 lb. | 4,127.00     | \$181,433.00 |

### DIRECT PARTICIPATION

|  |              |                     |
|--|--------------|---------------------|
| Wool Incentive .....   | \$298,670.00 |                     |
| Agriculture Conservation .....                               | 78,839.00    |                     |
| Soil Bank .....  | 139,155.00   |                     |
| Sugar Beet Processor & Import .....                          | 64,628.00    | \$581,292.00        |
| <b>TOTAL UNITED STATES PARTICIPATION (Agriculture) .....</b> |              | <b>\$762,725.00</b> |

## PRINCIPAL AGRICULTURAL INDUSTRIES

|                                       | No. |  | No. |
|---------------------------------------|-----|--|-----|
| Rice Dryers, Public & Private .....   | 43  | Sugar Beet Processing Plants .....   | 1   |
| Commercial Warehouses .....           | 12  | Flying Service Companies (pest control, grain seeding, fertilization, weed control, fire control) .. | 6   |
| Seed Milling & Processing Plants .... | 5   | Agricultural Chemical Fertilizer Companies .....   | 7   |
| Feed Mills .....                      | 6   | Nurseries .....  | 10  |
| Poultry Processing Plants .....       | 2   | Sawmills .....   | 1   |
| Livestock Auction Yards .....         | 3   | Well Drilling Companies (water) .....  | 4   |
| Commercial Feed Lots .....            | 12  | Natural Gas Wells in Production ....   | 89  |
| Slaughter Houses .....                | 4   |  |     |
| Milk Processing Plants .....          | 5   |  |     |
| Fruit & Nut Processing Plants .....   | 15  |  |     |
| Honey & Bee Packaging Plants .....    | 5   |  |     |

Mendocino National Forest Headquarters, Willows  
 Sacramento Valley Wildlife Refuge, Willows  
 Glenn County Chamber of Commerce, Willows

## ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

### 83 YEARS — 1878-1961

| Year      | Inches | Year      | Inches | Year      | Inches |
|-----------|--------|-----------|--------|-----------|--------|
| 1878-1879 | 7.01   | 1906-1907 | 17.88  | 1934-1935 | 19.62  |
| 1879-1880 | 13.96  | 1907-1908 | 13.44  | 1935-1936 | 17.48  |
| 1880-1881 | 13.85  | 1908-1909 | 22.09  | 1936-1937 | 16.40  |
| 1881-1882 | 8.28   | 1909-1910 | 14.36  | 1937-1938 | 26.28  |
| 1882-1883 | 8.45   | 1910-1911 | 17.75  | 1938-1939 | 6.82   |
| 1883-1884 | 18.84  | 1911-1912 | 11.26  | 1939-1940 | 23.21  |
| 1884-1885 | 7.80   | 1912-1913 | 13.18  | 1940-1941 | 40.50  |
| 1885-1886 | 19.15  | 1913-1914 | 29.18  | 1941-1942 | 24.07  |
| 1886-1887 | 8.07   | 1914-1915 | 27.19  | 1942-1943 | 15.68  |
| 1887-1888 | 8.97   | 1915-1916 | 18.11  | 1943-1944 | 13.52  |
| 1888-1889 | 10.30  | 1916-1917 | 11.43  | 1944-1945 | 16.94  |
| 1889-1890 | 29.94  | 1917-1918 | 11.90  | 1945-1946 | 14.72  |
| 1890-1891 | 19.01  | 1918-1919 | 12.90  | 1946-1947 | 12.28  |
| 1891-1892 | 18.82  | 1919-1920 | 7.70   | 1947-1948 | 19.56  |
| 1892-1893 | 27.30  | 1920-1921 | 21.28  | 1948-1949 | 15.59  |
| 1893-1894 | 11.15  | 1921-1922 | 13.44  | 1949-1950 | 10.32  |
| 1894-1895 | 26.04  | 1922-1923 | 16.81  | 1950-1951 | 17.48  |
| 1895-1896 | 22.18  | 1923-1924 | 8.86   | 1951-1952 | 23.50  |
| 1896-1897 | 18.82  | 1924-1925 | 25.99  | 1952-1953 | 19.70  |
| 1897-1898 | 6.58   | 1925-1926 | 18.44  | 1953-1954 | 16.64  |
| 1898-1899 | 13.05  | 1926-1927 | 25.99  | 1954-1955 | 14.57  |
| 1899-1900 | 15.23  | 1927-1928 | 17.54  | 1955-1956 | 23.24  |
| 1900-1901 | 17.49  | 1928-1929 | 11.46  | 1956-1957 | 19.11  |
| 1901-1902 | 21.67  | 1929-1930 | 16.37  | 1957-1958 | 32.93  |
| 1902-1903 | 17.10  | 1930-1931 | 9.85   | 1958-1959 | 11.96  |
| 1903-1904 | 20.28  | 1931-1932 | 15.01  | 1959-1960 | 13.88  |
| 1904-1905 | 24.55  | 1932-1933 | 7.79   | 1960-1961 | 16.24  |
| 1905-1906 | 19.85  | 1933-1934 | 15.65  |           |        |

## PLANT QUARANTINE

### INTERSTATE SHIPMENTS: (incoming)

|                                       |        |
|---------------------------------------|--------|
| Number of bulk shipments rejected     | 1      |
| Number of bulk shipments released     | 1      |
| Number of non-bulk shipments passed   | 577    |
| Number of plants passed               | 17,726 |
| Number of non-bulk shipments rejected | 2      |
| Number of plants rejected             | 5      |

### EXPORT CERTIFICATION: (interstate and foreign, outgoing)

|                               |           |
|-------------------------------|-----------|
| Number of certificates issued | 113       |
| Number of containers          | 21,563    |
| Number of pounds              | 1,800,795 |

### INTRASTATE SHIPMENT: (incoming)

|                                       |           |
|---------------------------------------|-----------|
| Number of bulk shipments passed       | 11        |
| Number of bulk units passed           | 1,542,000 |
| Number of non-bulk shipments passed   | 384       |
| Number of plants passed               | 234,992   |
| Number of non-bulk shipments rejected | 25        |
| Number of plants rejected             | 368       |

## RESOURCES

|   |   |         |
|---|---|---------|
| Lakes .....   | Plaskett Meadows, Stony Gorge Dam and Packer Lake |         |
| County Parks .....                                  |   | 5       |
| Forest Camp Grounds, Improved Units .....           |   | 74      |
| Visitations annually to National Forest areas ..... |   | 24,500  |
| National Forest Acreage .....                       |   | 221,568 |
| Elevation in Forest — Highest Point .....           |   | 7,450   |

### Kinds of Fish:

Mountain streams — Rainbow Trout, Steelhead  
 Rivers — Striped Bass, Black Bass, Salmon, Shad,  
                   Catfish, Steelhead, Rainbow Trout, Sturgeon.

Lakes — Black Bass, Catfish, Sunfish, Crappie, Bluegill.

|   |  |
|---|--|
| Rivers and Creeks:                                | (Length in miles through Glenn County) |
| Sacramento River .....                            | 40                                     |
| Black Butte River, a tributary of Eel River ..... | 7                                      |
| Stony Creek, main stream .....                    | 68                                     |
| Stony Creek, north fork .....                     | 12                                     |
| Briscoe Creek .....                               | 12                                     |
| Grindstone Creek .....                            | 28                                     |
| Cold Creek .....                                  | 6                                      |
| Willow Creek .....                                | 37                                     |
| Butte Creek .....                                 | 12                                     |
| Walker Creek .....                                | 20                                     |

| Estimated number of Wild Game                                   | Estimated number of | Reported killed by                       |
|---|---------------------|--|
|   | Predators           | Licensed Hunters,<br>Trappers and Others |
| Columbia Black Tail Deer .....                                  | 12,500              | 908                                      |
| California Black Bear .....                                     | 100                 | 10                                       |
| Wild Ducks .....  | 1,750,000           | —  |
| Wild Geese .....  | 500,000             | —  |
| Ring-neck Pheasants .....                                       | 55,000              | —  |
| Calif. Valley & Mt. Quail .....                                 | 75,000              | —  |
| Mourning Doves .....  | 100,000             | —  |
| Band-tail Pigeons .....   | 7,000               | —  |
| Beaver .....  | 500                 | 24                                       |
| River Otter .....   | 40                  | 4  |
| Mountain Lions (State Bounty —<br>Female \$60; Male \$50) ..... | —                   | 10                                       |
| Coyotes (County Bounty \$10) .....                              | —                   | 4,000                                    |
| Bobcats .....   | —                   | 3,000                                    |
| Badgers .....   | —                   | 200                                      |
| Raccoons .....  | —                   | 2,000                                    |
| Skunks .....  | —                   | 12,000                                   |
| Mink .....  | —                   | 400                                      |
| Grey Fox .....  | —                   | 8,000                                    |
| Red Fox .....   | —                   | 2,000                                    |
| Muskrats, trapped .....   | —                   | 3,806                                    |
| Opposum .....   | 100                 | 8  |

Glenn County has 18 State Licensed Trappers

## ECONOMIC RESOURCES

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

Water Storage: Shasta Dam on Sacramento River; Stony Gorge Dam and 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 .....                | 12,560 |         |
| Provident Irrigation District — Sacramento River .....              | 12,520 |         |
| Princeton-Codora-Glenn — Sacramento River .....                     | 7,000  |         |
| Willow Creek Mutual Water Co. — Sacramento River .....              | 1,000  |         |
| Loam Ridge Irrigation District — Pumps .....                        | 1,200  |         |
| Western Canal Company — Feather River .....                         | 11,000 |         |
| Stony Creek Valley, Riparian Water Rights .....                     | 3,800  |         |
| Pump irrigation from farm wells .....                               | 46,600 |         |
| TOTAL ACREAGE UNDER IRRIGATION .....                                |        | 170,115 |
|   |        |         |
| Other Land Suitable For Irrigation:                                 |        |         |
| Orland-Artois Irrigation District .....                             | 17,600 |         |
| Kanawha Irrigation District .....                                   | 2,800  |         |
| West of present irrigation systems .....                            | 65,400 |         |
| Butte City District, east of Sacramento River .....                 | 25,000 |         |
| Stony Creek Valley .....  | 4,436  |         |
| West of Orland on Stony Creek, below proposed Black Butte Dam ..... | 15,000 |         |
| Sloping land and foothill valleys .....                             | 40,609 |         |
| ADDITIONAL ACREAGE SUITABLE FOR IRRIGATION .....                    |        | 170,845 |
| TOTAL IRRIGABLE LAND IN GLENN COUNTY .....                          |        | 340,960 |

|  |           |
|--|-----------|
| Total Acreage in Glenn County .....  | 880,000   |
| Acres in Farm Land .....   | 319,000   |
| Land leveled for irrigation in 1961, 4,200 acres.  |           |
| Irrigation wells drilled in 1961, 35   |           |
| Acres in Range Land .....  | 287,000   |
| Acres in National Forest .....   | 221,568   |
| Acres of Commercial Timber Land .....  | 113,000   |
| Board Feet of Standing Timber .....  | 3,000,000 |
| Species of merchantable trees: Sugar Pine, Ponderosa (yellow) Pine,<br>Douglas Fir, White Fir, Red Fir and Incense Cedar |           |

## APIARY INSPECTION

|   | Apiaries | Colonies |
|---|----------|----------|
| Registered during 1961 .....                  | 179      | 5,796    |
| Entered from another state .....              | 1        | 120      |
| Entering county .....                         | 51       | 2,821    |
| Leaving county .....                          | 53       | 2,663    |
| Moving within the County .....                | 28       | 1,150    |
| Inspected .....                               | 10       | 419      |
| Infected with American Foulbrood .....        | 10       | 181      |
| American Foulbrood to Wax Salvage Plant ..... | 10       | 181      |

**The Following Table Was Compiled From Commercial Pest Control Operators' Reports And From Permits Issued To Private Farm And Orchard Operators.**

| Crop                      | Acreage Treated<br>By Aircraft |              | Acreage Treated<br>By Ground Rig |              | Total<br>Acreage<br>Treated |
|---------------------------|--------------------------------|--------------|----------------------------------|--------------|-----------------------------|
|                           | Herbicides                     | Insecticides | Herbicides                       | Insecticides |                             |
| <b>FIELD CROPS:</b>       |                                |              |                                  |              |                             |
| Rice .....                | 32,198                         | 14,438       |                                  |              | 46,636                      |
| Yellow Corn .....         |                                |              | 70                               |              | 70                          |
| Barley .....              | 16,944                         |              | 5,710                            |              | 22,654                      |
| Oats .....                | 760                            |              | 289                              |              | 1,049                       |
| Sorghum Grain .....       | 113                            |              | 671                              |              | 784                         |
| Alfalfa .....             | 506                            | 6,895        |                                  | 90           | 7,491                       |
| Clover .....              | 4,088                          | 14,729       | 7,206                            | 2,580        | 28,603                      |
| Beans & Peas .....        | 1,357                          |              |                                  | 80           | 1,437                       |
| Other Field Crops ..      | 840                            | 470          |                                  |              | 1,310                       |
| <b>FRUITS &amp; NUTS:</b> |                                |              |                                  |              |                             |
| Almonds .....             |                                | 35           | 360                              | 1,470        | 1,865                       |
| Walnuts .....             |                                | 79           |                                  | 50           | 129                         |
| Prunes .....              |                                | 352          |                                  | 1,177        | 1,529                       |
| Sub-tropical Fruits       |                                | 174          |                                  | 19           | 193                         |
| Pears .....               |                                | 810          |                                  | 300          | 1,110                       |
| <b>MISCELLANEOUS:</b>     |                                |              |                                  |              |                             |
| Weeds & Summer            |                                |              |                                  |              |                             |
| Fallow .....              | 615                            | 2,900        |                                  |              | 3,515                       |
| Tomatoes .....            |                                | 1,887        |                                  |              | 1,887                       |
| Roses .....               |                                | 161          |                                  |              | 161                         |
| Totals .....              | 57,421                         | 40,030       | 17,206                           | 5,766        | 120,423                     |

1,629,000 lbs. of seed grain was treated by Commercial Pest Control Operators.

**CHEMICALS AND POISONS USED BY THIS DEPARTMENT**

**RODENT AND PEST**

**ANIMAL CONTROL:**

5,478 pounds Strychnine-treated bait  
7,302 pounds anti-coagulant bait

**WEED CONTROL:**

53 pounds Amino triazole  
5 gallons Amitrol  
300 pounds Chlorea  
5,906 pounds Dalapon  
473 gallons diesel oil  
5 gallons Fenac  
2 gallons kerosene  
110 pounds Polybor chlorate  
125 pounds Simazine  
35 pints Sinox  
100 pounds sodium chlorate  
19 gallons summer oil  
358 gallons 2,4-D  
1,087 gallons weedoil  
40 gallons X-77 spreader

**INSECT AND FUNGUS CONTROL:**

55 pounds BHC  
18 pounds Bordeaux  
4 pounds calcium arsenate  
8 pounds COCS  
93 pints Chlordane  
58 pounds Chlordane dust  
76 ounces Cyanogas  
79 pounds DDT  
68 gallons DDT  
35 pints Dieldrin  
2,399 pounds Dieldrin-treated bran  
35 pounds Dieldrin dust  
20 gallons diesel oil  
14 pounds Malathion  
5 gallons Malathion  
54 CC's Methyl Bromide  
4 pounds PDB  
70 pounds Parathion  
2 pounds Rotenone  
109 gallons summer oil  
2 quarts Xlene solvent oil  
292 ounces X-77 spreader



## 1961—Ten Most Important Insect/Mite Species—Glenn County

| INSECT                                  | Crop (s)                     | County<br>Crop<br>Value (\$) | Estimated Damage and Loss        |                      |                            | Estimated<br>Over-all<br>Loss (\$) |
|---|------------------------------|------------------------------|----------------------------------|----------------------|----------------------------|------------------------------------|
|   |                              |                              | Assessable<br>Yield<br>Loss (\$) | Control<br>Cost (\$) | % Loss<br>of Crop<br>Value |                                    |
| Spider Mites                            | Beans, clover<br>& orchards  | \$ 6,104,000                 | \$377,000                        | \$96,000             | 7%                         | \$473,000                          |
| Lygus Bugs                              | Clover &<br>Alfalfa          | 3,778,000                    | 234,000                          | 68,000               | 8%                         | 302,000                            |
| Spotted Alfalfa<br>Aphid                | Alfalfa                      | 1,821,000                    | 167,000                          | 15,000               | 10%                        | 182,000                            |
| Grain Storage<br>Insects                | Stored<br>Grain              | 11,565,000                   | 153,000                          | 20,000               | 1½%                        | 173,000                            |
| Armyworms                               | Clover, Sorghum<br>& Pasture | 4,815,000                    | 94,000                           | 2,000                | 2%                         | 96,000                             |
| Tadpole Shrimp<br>& Scavenger<br>Beetle | Rice                         | 8,140,000                    | 51,000                           | 30,000               | 1%                         | 81,000                             |
| Thrips                                  | Safflower                    | 942,000                      | 75,000                           | 2,000                | 8%                         | 77,000                             |
| Corn Earworm                            | Corn &<br>Tomatoes           | 318,000                      | 40,000                           | 9,000                | 3%                         | 49,000                             |
| Rice Leaf Miner                         | Rice                         | 8,140,000                    | 25,000                           | 16,000               | ½%                         | 41,000                             |
| Navel Orange<br>Worm                    | Almonds &<br>Walnuts         | 1,624,000                    | 28,000                           | 2,000                | 3%                         | 30,000                             |

## REPORT ON WEIGHTS AND MEASURES WORK — 1961

| The following equipment was tested and | Sealed<br>WITHOUT<br>Correction | Sealed<br>AFTER<br>Correction | Out<br>of<br>Order |
|--|---------------------------------|-------------------------------|--------------------|
| Animal Scales (single animal)          | 1                               | 0                             | 0                  |
| Computing Scales                       | 96                              | 7                             | 9                  |
| Counter Scales                         | 63                              | 13                            | 5                  |
| Dormant Scales                         | 15                              | 1                             | 0                  |
| Hopper Scales                          | 7                               | 7                             | 1                  |
| Livestock Scales                       | 28                              | 15                            | 4                  |
| Meat Beams & Steelyards                | 8                               | 1                             | 0                  |
| Person Weighers                        | 1                               | 0                             | 1                  |
| Platform Scales                        | 26                              | 20                            | 5                  |
| Prescription Scales                    | 1                               | 0                             | 0                  |
| Spring Scales                          | 42                              | 4                             | 1                  |
| Tank Scales                            | 0                               | 2                             | 0                  |
| Vehicle Scales                         | 39                              | 21                            | 5                  |
| Weights, Commercial                    | 112                             | 15                            | 0                  |
| Bulk Plant Meters                      | 7                               | 2                             | 0                  |
| Farm Holding Tanks                     | 31                              | 5                             | 2                  |
| Grease Meters                          | 18                              | 0                             | 2                  |
| Liquid Measures                        | 51                              | 0                             | 0                  |
| Lube Oil Bottles (Capacity)            | 60                              | 0                             | 0                  |
| Lubricating Oil Meters                 | 18                              | 0                             | 0                  |
| Retail Pumps & Meters                  | 143                             | 11                            | 5                  |
| Vehicle Tank Compartments Gauged       | 1                               | 0                             | 0                  |
| Vehicle Tank Meters                    | 13                              | 2                             | 0                  |
| <b>Totals</b>                          | <b>781</b>                      | <b>126</b>                    | <b>40</b>          |

Packages or containers inspected: 2,207. Lots passed: 85. Lots rejected: 11.

Packages passed: 1,911. Packages rejected: 296.

Signs inspected: 22. Signs correct: 20. Signs corrected: 2.

Establishments visited: 357. Certificates issued: 290.

Number of Off-Sale orders issued: 11. Written orders to conform issued: 10.

Office hearings held: 1.