

Oregon's

DAIRY INDUSTRY

1867

1947

west folder

Cattle Numbers
Dairy Cattle
Milk Production
Income from Milk
Price Data

STATISTICAL YEARBOOK

Containing state estimates of farm production, price, and income, by periods from 1867 to 1947, published by the Division of Agricultural Statistics, Bureau of Agricultural Economics, United States Department of Agriculture, and certain county estimates prepared by the Oregon State College Extension Service, Agricultural Economics Section.

Oregon State System of Higher Education
Federal Cooperative Extension Service
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EXPLANATION OF TERMS

(Unless otherwise noted)

ESTIMATES are expressions of judgment regarding what is true at any given time based on incomplete data, past relationships, calculation, appraisal, and general knowledge of the subject under consideration; they are published subject to revision. Tables or data marked "preliminary" are especially subject to further consideration and revision.

FARM PRODUCTION AND FARM NUMBERS for the state as a whole are estimates published by the Bureau of Agricultural Economics, U. S. Department of Agriculture, except as otherwise noted. County numbers are estimates obtained from the county agricultural agents and other informed persons, and adjusted to the state total.

SEASONAL AVERAGE PRICES are the averages of prices received by farmers at usual marketing points for quantities sold, as published by the Bureau of Agricultural Economics.

CASH RECEIPTS FROM FARM MARKETINGS in this bulletin are estimates published by the Bureau of Agricultural Economics and are intended to represent the returns to farmers from products sold during a calendar year.

TYPE OF FARMING DISTRICTS

Much of the data for the state has been broken down into the following districts:

- District 1—Willamette Valley counties: Benton, Clackamas, Lane, Linn, Marion, Multnomah, Polk, Washington, and Yamhill.
- District 2—Coast and Lower Columbia counties: Clatsop, Columbia, Coos, Curry, Lincoln, and Tillamook.
- District 3—Southern Oregon counties: Douglas, Jackson, and Josephine.
- District 4—Columbia Basin counties: Gilliam, Hood River, Morrow, Sherman, Umatilla, Wasco, and Wheeler.
- District 5—Snake River Basin counties: Baker, Malheur, Union, and Wallowa.
- District 6—South Central counties: Crook, Deschutes, Grant, Harney, Jefferson, Klamath, and Lake.

Oregon's Dairy Industry*

1867-1947

IN 1867, the first year of record, Oregon had only 36,000 dairy cows on farms. By January 1, 1943, this number had increased to 290,000. Since 1943, numbers have declined to an estimated 251,000 on January 1, 1947, 13 per cent below the peak. The number of beef cows has exceeded the number of milk cows only since 1943 (Table 1).

Cattle Numbers

Two tables of data are contained in this bulletin showing cattle numbers in Oregon by counties and districts. Table 6 shows the estimated total number of cattle and of milk cows and beef cows on farms in Oregon by counties, January 1, 1940 and January 1, 1946 (preliminary). Table 7 gives the estimated number of milk cows, two years old and over on farms in Oregon by counties for the period January 1, 1939 to January 1, 1946 (preliminary); and the 1939-1946 average.

The data show that more than 70 per cent of the milk cows are in western Oregon. Nearly 90 per cent of the beef cows, however, are in eastern Oregon. Marion County leads in numbers of milk cows, with approximately 7 per cent of the state total. Next are Washington, Tillamook, Coos, Linn, and Clackamas, each with about 6 per cent.

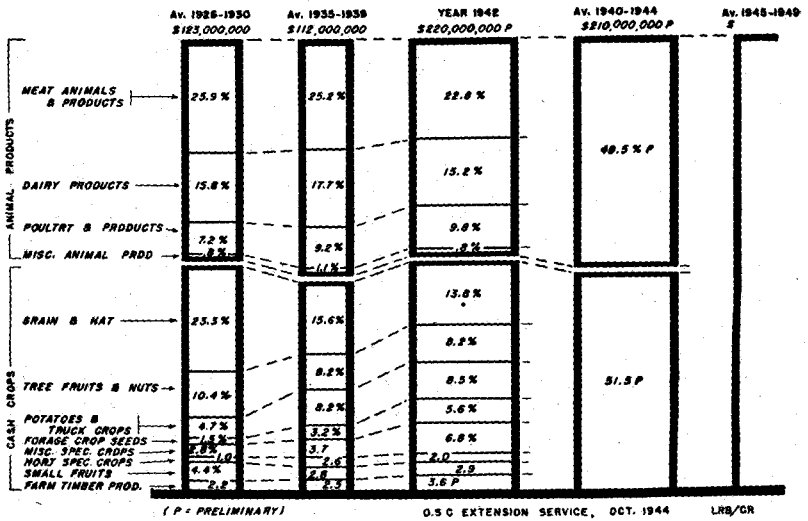
Despite increases in some areas the total number of milk cows in Oregon decreased slightly during the period January 1, 1939 to January 1, 1946. The greatest decrease occurred in District 4. The number in this district in January 1946 was estimated at only 75 per cent of the 1945 estimate and approximately 20 per cent less than in 1939. Only Grant and Jefferson counties in District 6 reported an increase in milk cows from 1945 to 1946.

Lake County leads in the number of beef cows with approximately 15 per cent of the state total. Malheur County ranks second with about 13 per cent, followed by Harney 11 per cent, Klamath County 10 per cent, and Grant County fifth with about 9 per cent.

* State data in this bulletin are based on various reports from the Bureau of Agricultural Economics, U. S. Department of Agriculture, except as otherwise noted. County data were prepared from information obtained from county agricultural agents and other informed persons. The sum of the county estimates in each case is in agreement with the state total.

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OREGON'S FARM MARKETINGS: Sources and Trends



Dairy products sold for cash by farmers in Oregon ordinarily account for nearly one-sixth of the state's total receipts from farm marketings, not including the value of cattle and calves sold from dairy stock. In addition, farm families use a considerable amount of dairy products for food and skim milk for feeding hogs and poultry.

Out of 63,125 farms reported in Oregon in 1945 by the U. S. Census of Agriculture, 47,492 or 75 per cent reported cows milked. Dairying was the principal source of farm income on 8,703 farms.

Dairy Cattle

Data on the number of dairy cattle by classes (cows, heifers, and calves) are available for the years from 1920 to 1947 (Table 2). Over the 20-year period 1925 to 1944, the average number of heifers 1 to 2 years old per 100 cows was 23, and of heifer calves 24. This average relationship provided enough replacements for old milk cows as well as a substantial increase.

Preliminary estimates for January 1, 1947, indicate that the number of dairy heifers on hand was 24 per 100 cows and of dairy heifer calves 30.

Milk Production

Total milk production reached a peak in Oregon in 1942. Greatest production per cow, however, was recorded in 1941. In that year 250,000 cows produced an average of 5,712 pounds of milk and 257 pounds of butterfat (Table 3). In 1946, Oregon ranked fourth in the United States in production of butterfat per cow, higher rankings being in California, Washington, and New Jersey. Butterfat production per cow in Oregon averages about one-third higher than the average production in the United States.

Income from Milk

During the five-year period 1936-1940, milk production was rated as the most important industry in Oregon, in terms of cash receipts from farm marketings. In a study of Oregon's farm products for market during that period (Extension Bulletin 641) milk production was rated as the leading industry in 17 of the 36 counties of the state. It was second in importance in 5 additional counties. In only 9 counties, all in eastern Oregon, milk was not among the commodities that accounted for about three-fourths of the cash receipts from farm marketings. It should be pointed out, however, that the dairy industry is relatively more important than this rating. This is because sales of dairy cattle and calves are not included in the estimates of cash receipts from farm marketings of dairy products.

Milk sold at wholesale is of first importance among the sources of farm income from dairy products in Oregon. Cream sold as butterfat ranks second, with milk and cream sold at retail by producers in third place. Farm churned butter is the fourth item (Table 4).

Cash receipts from farm marketings of milk and milk products, not including sales of dairy animals, reached a peak in 1946 at \$46,103,000 (preliminary). This was about 14.5 per cent of cash receipts from sales of all crop and animal products. During the pre-

war period 1935-1939, income from dairy products accounted for about 17.7 per cent of the total cash receipts and about 15.8 per cent during the 1926-1930 period.

Prices

The peak year for prices received by Oregon farmers for milk and milk products during the period 1909 to 1946 was 1946. In that year wholesale milk brought \$4.18 a hundredweight, 238 per cent of the 1935-1939 average; milk retailed by farmers brought 15.3 cents a quart, 149 per cent of 1935-1939; butterfat 68 cents a pound, 225 per cent of 1935-1939; and farm butter 67 cents a pound, 212 per cent of 1935-1939. Farm costs, of course, have increased also. The low point was reached in 1932 for milk at wholesale at 68 per cent of the 1935-1939 average; for butterfat at 60 per cent of the 1935-1939 average; and farm butter at 66 per cent of the 1935-1939 average. The low point in the record for milk retailed by farmers was reached in 1933. In that year the seasonal average price stood at 77 per cent of the 1935-1939 level. For a complete record of seasonal average prices for dairy products in Oregon, see Table 5.

Table 1. ESTIMATED NUMBER OF CATTLE AND COWS ON FARMS IN OREGON JANUARY 1, 1867 TO 1947^p

| Period or year | All cattle (all ages) | Milk cows (2 years and over) | Beef cows (2 years and over) |
|-------------------------|--------------------------|------------------------------------|------------------------------------|
| <i>Period</i> | | | |
| 1867-1869 | 340,000 | 38,000 | ..... |
| 1870-1879 | 469,000 | 45,000 | ..... |
| 1880-1889 | 609,000 | 69,000 | ..... |
| 1890-1899 | 608,000 | 110,000 | ..... |
| 1900-1909 | 776,000 | 131,000 | ..... |
| 1910-1914 | 640,000 | 167,000 | ..... |
| 1915-1919 | 870,000 | 196,000 | ..... |
| 1920-1924 | 843,000 | 205,000 | ..... |
| 1925-1929 | 733,000 | 216,000 | 170,000 |
| 1930-1934 | 832,000 | 256,000 | 176,000 |
| 1935-1939 | 919,000 | 267,000 | 209,000 |
| <i>Annual</i> | | | |
| 1935 | 928,000 | 275,000 | 212,000 |
| 1936 | 910,000 | 264,000 | 210,000 |
| 1937 | 919,000 | 261,000 | 214,000 |
| 1938 | 919,000 | 267,000 | 206,000 |
| 1939 | 919,000 | 267,000 | 204,000 |
| 1940 | 937,000 | 262,000 | 208,000 |
| 1941 | 984,000 | 265,000 | 232,000 |
| 1942 | 1,073,000 | 276,000 | 269,000 |
| 1943 | 1,148,000 | 290,000 | 300,000 |
| 1944 | 1,194,000 | 284,000 | 310,000 |
| 1945 | 1,158,000 | 284,000 | 322,000 |
| 1946 | 1,089,000 | 261,000 | 313,000 |
| 1947 ^p | 1,067,000 | 251,000 | 304,000 |

^p Preliminary.

¹ Compiled from data published by the U. S. Department of Agriculture, Bureau of Agricultural Economics.

Table 2. DAIRY CATTLE, BY CLASSES, ON FARMS IN OREGON, JANUARY 1, 1920-1947^p

| Period or year | Milk cows 2 years and over | Heifers 1 to 2 years | Heifer calves |
|-------------------------|----------------------------------|-------------------------|---------------------|
| <i>Period</i> | | | |
| 1920-1924 | 205,000 | 40,000 | 58,000 ¹ |
| 1925-1929 | 216,000 | 44,000 | 48,000 |
| 1930-1934 | 256,000 | 56,000 | 57,000 |
| 1935-1939 | 267,000 | 60,000 | 63,000 |
| 1940-1944 | 275,000 | 69,000 | 76,000 |
| <i>Annual</i> | | | |
| 1935 | 275,000 | 60,000 | 63,000 |
| 1936 | 264,000 | 60,000 | 63,000 |
| 1937 | 261,000 | 61,000 | 62,000 |
| 1938 | 267,000 | 60,000 | 63,000 |
| 1939 | 267,000 | 60,000 | 63,000 |
| 1940 | 262,000 | 61,000 | 65,000 |
| 1941 | 265,000 | 64,000 | 72,000 |
| 1942 | 276,000 | 70,000 | 82,000 |
| 1943 | 290,000 | 71,000 | 82,000 |
| 1944 | 284,000 | 78,000 | 81,000 ^p |
| 1945 | 284,000 | 72,000 | 78,000 |
| 1946 | 261,000 | 60,000 | 76,000 |
| 1947 ^p | 251,000 | 59,000 | 75,000 |

^p Preliminary.

¹ One year only, 1920 (census).

* Compiled from data published by the U. S. Department of Agriculture, Bureau of Agricultural Economics, except as otherwise noted.

Table 3. DAIRY COWS, MILK PRODUCTION ON FARMS, 1925-1946^p AND MILK PRODUCTION PER COW, OREGON*

| Period or year | Average number milk cows on farms during year | Milk production on farms | Production per cow | |
|-------------------------|---|--------------------------|--------------------|---------------|
| | | | Milk ¹ | Butterfat |
| | | <i>Pounds</i> | <i>Pounds</i> | <i>Pounds</i> |
| <i>Period</i> | | | | |
| 1925-1929 | 213,000 | 1,139,000,000 | 5,348 | 230 |
| 1930-1934 | 249,000 | 1,290,000,000 | 5,182 | 223 |
| 1935-1939 | 249,000 | 1,342,000,000 | 5,391 | 232 |
| 1940-1944 | 257,000 | 1,444,000,000 | 5,618 | 253 |
| <i>Annual</i> | | | | |
| 1935 | 255,000 | 1,329,000,000 | 5,212 | 224 |
| 1936 | 246,000 | 1,333,000,000 | 5,419 | 233 |
| 1937 | 247,000 | 1,336,000,000 | 5,409 | 233 |
| 1938 | 250,000 | 1,350,000,000 | 5,400 | 232 |
| 1939 | 248,000 | 1,364,000,000 | 5,500 | 236 |
| 1940 | 248,000 | 1,394,000,000 | 5,621 | 253 |
| 1941 | 250,000 | 1,428,000,000 | 5,712 | 257 |
| 1942 | 260,000 | 1,482,000,000 | 5,700 | 256 |
| 1943 | 264,000 | 1,452,000,000 | 5,500 | 248 |
| 1944 | 264,000 | 1,463,000,000 | 5,542 | 249 |
| 1945 | 254,000 | 1,420,000,000 | 5,591 | 252 |
| 1946 ^p | 235,000 | 1,325,000,000 | 5,638 | 254 |

^p Preliminary.

¹ Milk production divided by average number of milk cows on farms.

* Compiled from data published by the U. S. Department of Agriculture, Bureau of Agricultural Economics, except as otherwise noted.

Table 4. DAIRY PRODUCTS: CASH RECEIPTS FROM FARM MARKETINGS, BY SOURCES, OREGON, 1925-1946¹

| Period or year | Farm butter sold | Cream sold as butterfat | Milk sold at wholesale | Milk and cream retailed | Total dairy products |
|-------------------------|------------------|----------------------------|------------------------|----------------------------|----------------------|
| <i>Period</i> | | | | | |
| 1925-1929 | \$237,600 | \$9,827,200 | \$ 8,702,200 | \$ 3,859,000 | \$22,626,000 |
| 1930-1934 | 65,600 | 5,931,200 | 6,183,600 | 3,649,800 | 15,830,200 |
| 1935-1939 | 75,200 | 6,863,400 | 8,674,400 | 4,228,600 | 19,841,600 |
| 1940-1944 | 60,200 | 8,367,000 | 19,682,800 | 4,505,600 | 32,615,600 |
| <i>Annual</i> | | | | | |
| 1935 | 84,000 | 7,152,000 | 7,822,000 | 4,074,000 | 19,132,000 |
| 1936 | 88,000 | 7,687,000 | 9,177,000 | 4,242,000 | 21,194,000 |
| 1937 | 80,000 | 7,763,000 | 9,519,000 | 4,387,000 | 21,749,000 |
| 1938 | 67,000 | 6,105,000 | 8,192,000 | 4,240,000 | 18,604,000 |
| 1939 | 57,000 | 5,610,000 | 8,662,000 | 4,200,000 | 18,529,000 |
| 1940 | 56,000 | 6,386,000 | 10,490,000 | 4,200,000 | 21,132,000 |
| 1941 | 65,000 | 7,895,000 | 14,191,000 | 4,329,000 | 26,450,000 |
| 1942 | 57,000 | 9,068,000 | 19,950,000 | 4,680,000 | 33,765,000 |
| 1943 | 65,000 | 9,525,000 | 25,915,000 | 4,698,000 | 40,205,000 |
| 1944 | 58,000 | 8,960,000 | 27,868,000 | 4,752,000 | 41,508,000 |
| 1945 | 74,000 | 7,316,000 | 28,800,000 | 4,752,000 | 40,942,000 |
| 1946 ^p | 100,000 | 6,066,000 | 34,276,000 | 5,661,000 | 46,103,000 |

^p Preliminary.
¹ Compiled from data published by the U. S. Department of Agriculture, Bureau of Agricultural Economics.

Table 5. THE DAIRY INDUSTRY: SEASONAL AVERAGE PRICE AND PRICE INDEX (1935-1939=100), OREGON, 1909-1946*

| Year | Milk cows ¹ | | Milk, wholesale | | Milk, retail | | Butterfat | | Farm butter | |
|-------------------|------------------------|----------------------------------|-----------------|----------------------------------|--------------|----------------------------------|-----------|----------------------------------|-------------|----------------------------------|
| | Per head | Index (1935- 1939= 100) | Per Cwt. | Index (1935- 1939= 100) | Per quart | Index (1935- 1939= 100) | Per pound | Index (1935- 1939= 100) | Per pound | Index (1935- 1939= 100) |
| 1909 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 31.0¢ | 98 |
| 1910 | ..... | ..... | \$1.60 | 91 | ..... | ..... | ..... | ..... | 33.0 | 104 |
| 1911 | ..... | ..... | 1.40 | 80 | ..... | ..... | ..... | ..... | 31.0 | 98 |
| 1912 | ..... | ..... | 1.65 | 94 | ..... | ..... | ..... | ..... | 31.0 | 98 |
| 1913 | ..... | ..... | 1.60 | 91 | ..... | ..... | ..... | ..... | 33.0 | 104 |
| 1914 | ..... | ..... | 1.60 | 91 | ..... | ..... | ..... | ..... | 31.0 | 98 |
| 1915 | ..... | ..... | 1.50 | 85 | ..... | ..... | ..... | ..... | 29.0 | 92 |
| 1916 | ..... | ..... | 1.80 | 102 | ..... | ..... | ..... | ..... | 32.0 | 101 |
| 1917 | ..... | ..... | 2.50 | 142 | ..... | ..... | ..... | ..... | 40.0 | 127 |
| 1918 | ..... | ..... | 3.05 | 173 | ..... | ..... | ..... | ..... | 49.0 | 155 |
| 1919 | \$81.10 | 147 | 3.40 | 193 | ..... | ..... | ..... | ..... | 57.0 | 180 |
| 1920 | 86.50 | 157 | 3.15 | 179 | ..... | ..... | 56.0¢ | 185 | 60.0 | 190 |
| 1921 | 66.20 | 120 | 2.25 | 128 | ..... | ..... | 37.0 | 123 | 41.0 | 130 |
| 1922 | 64.80 | 117 | 2.30 | 131 | ..... | ..... | 40.0 | 132 | 41.0 | 130 |
| 1923 | 62.80 | 114 | 2.55 | 145 | ..... | ..... | 47.0 | 156 | 46.0 | 146 |
| 1924 | 73.90 | 134 | 2.25 | 128 | 11.0¢ | 107 | 42.0 | 139 | 41.0 | 130 |
| 1925 | 67.20 | 122 | 2.40 | 136 | 11.2 | 109 | 46.0 | 152 | 45.0 | 142 |
| 1926 | 66.90 | 121 | 2.35 | 134 | 10.8 | 105 | 44.0 | 146 | 45.0 | 142 |
| 1927 | 75.80 | 137 | 2.40 | 136 | 10.6 | 103 | 44.0 | 146 | 45.0 | 142 |
| 1928 | 89.90 | 163 | 2.50 | 142 | 10.4 | 101 | 48.0 | 159 | 47.0 | 149 |
| 1929 | 95.30 | 172 | 2.50 | 142 | 10.1 | 98 | 48.0 | 159 | 48.0 | 152 |
| 1930 | 73.40 | 133 | 2.05 | 116 | 10.2 | 99 | 36.0 | 119 | 38.0 | 120 |
| 1931 | 55.60 | 101 | 1.55 | 88 | 9.3 | 90 | 26.0 | 86 | 28.0 | 89 |
| 1932 | 37.90 | 69 | 1.20 | 68 | 8.5 | 83 | 18.0 | 60 | 21.0 | 66 |
| 1933 | 30.80 | 56 | 1.25 | 71 | 7.9 | 77 | 19.0 | 63 | 22.0 | 70 |
| 1934 | 31.90 | 58 | 1.45 | 82 | 9.4 | 91 | 22.0 | 73 | 26.0 | 82 |
| 1935 | 48.50 | 88 | 1.75 | 99 | 9.7 | 94 | 30.0 | 99 | 31.0 | 98 |
| 1936 | 56.60 | 102 | 1.90 | 108 | 10.1 | 98 | 34.0 | 113 | 35.0 | 111 |
| 1937 | 61.80 | 112 | 1.90 | 108 | 10.7 | 104 | 35.0 | 116 | 35.0 | 111 |
| 1938 | 55.90 | 101 | 1.60 | 91 | 10.6 | 103 | 27.0 | 89 | 29.0 | 92 |
| 1939 | 53.50 | 97 | 1.65 | 94 | 10.5 | 102 | 25.0 | 83 | 28.0 | 89 |
| 1940 | 56.50 | 102 | 1.85 | 105 | 10.5 | 102 | 29.0 | 96 | 31.0 | 98 |
| 1941 | 70.70 | 128 | 2.30 | 131 | 11.1 | 108 | 36.0 | 119 | 38.0 | 120 |
| 1942 | 82.50 | 149 | 2.85 | 162 | 12.0 | 117 | 44.0 | 146 | 44.0 | 139 |
| 1943 | 92.20 | 167 | 3.55 | 202 | 12.7 | 123 | 52.0 | 172 | 50.0 | 158 |
| 1944 | 85.60 | 155 | 3.55 | 202 | 13.2 | 128 | 52.0 | 172 | 48.0 | 152 |
| 1945 | 93.75 | 170 | 3.60 | 205 | 13.2 | 128 | 52.0 | 172 | 49.0 | 155 |
| 1946 ^p | 116.17 | 210 | 4.18 | 238 | 15.3 | 149 | 68.0 | 225 | 67.0 | 212 |

^p Preliminary.¹ Straight average of monthly prices. The 1935-1939 seasonal average price for milk cows was \$55.26 per head; wholesale milk, \$1.76 per hundred-weight; retail milk, 10.3¢ per quart; butterfat, 30.2¢ per pound; and farm butter 31.6¢ per pound.

* Prices compiled from data published by the U. S. Department of Agriculture, Bureau of Agricultural Economics. Index numbers calculated by O.S.C. Extension Service.

Table 6. ESTIMATED NUMBER OF CATTLE AND COWS ON FARMS IN OREGON BY COUNTIES, JANUARY 1, 1940 AND JANUARY 1, 1946p¹

| District and county | Number on farms January 1, 1940 | | | Number on farms January 1, 1946 | | |
|----------------------|---------------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------|
| | All cattle (all ages) | Milk cows (2 years and over) | Beef cows (2 years and over) | All cattle (all ages) | Milk cows (2 years and over) | Beef cows (2 years and over) |
| <i>District 1</i> | | | | | | |
| Benton | 12,500 | 6,200 | 650 | 11,000 | 5,000 | 1,000 |
| Clackamas | 23,500 | 14,000 | 500 | 28,000 | 15,800 | 2,100 |
| Lane | 30,000 | 13,900 | 2,350 | 34,500 | 15,000 | 3,400 |
| Linn | 28,000 | 14,400 | 1,250 | 27,000 | 14,000 | 2,200 |
| Marion | 30,000 | 17,400 | 800 | 31,000 | 19,500 | 1,900 |
| Multnomah | 12,000 | 7,600 | 400 | 10,500 | 6,500 | 700 |
| Polk | 14,000 | 8,300 | 300 | 14,000 | 7,500 | 500 |
| Washington | 27,000 | 17,000 | 250 | 26,000 | 16,500 | 400 |
| Yamhill | 20,000 | 11,200 | 800 | 21,000 | 11,500 | 1,100 |
| District total | 197,000 | 110,000 | 7,300 | 203,000 | 111,300 | 13,300 |
| <i>District 2</i> | | | | | | |
| Clatsop | 8,000 | 4,400 | 700 | 10,000 | 4,500 | 1,700 |
| Columbia | 15,000 | 8,100 | 800 | 18,000 | 9,000 | 1,800 |
| Coos | 29,000 | 15,300 | 1,700 | 29,000 | 15,800 | 1,600 |
| Curry | 7,000 | 3,200 | 700 | 6,000 | 2,400 | 1,000 |
| Lincoln | 9,500 | 4,900 | 600 | 10,000 | 5,000 | 900 |
| Tillamook | 20,000 | 15,500 | 100 | 22,000 | 16,500 | 200 |
| District total | 88,500 | 51,400 | 4,600 | 95,000 | 53,200 | 7,200 |
| <i>District 3</i> | | | | | | |
| Douglas | 19,000 | 8,700 | 2,600 | 22,000 | 8,000 | 4,000 |
| Jackson | 36,000 | 10,000 | 7,700 | 38,000 | 13,000 | 10,000 |
| Josephine | 12,000 | 5,700 | 1,300 | 12,500 | 6,400 | 1,700 |
| District total | 67,000 | 24,400 | 11,600 | 72,500 | 27,400 | 15,700 |
| <i>District 4</i> | | | | | | |
| Gilliam | 11,000 | 1,250 | 4,100 | 17,500 | 800 | 6,300 |
| Hood River | 3,300 | 2,000 | 200 | 4,000 | 2,200 | 300 |
| Morrow | 11,500 | 2,600 | 2,900 | 20,000 | 2,000 | 5,300 |
| Sherman | 9,000 | 1,150 | 2,400 | 14,000 | 800 | 5,500 |
| Umatilla | 33,000 | 9,800 | 6,400 | 43,000 | 8,000 | 9,100 |
| Wasco | 17,000 | 2,900 | 4,400 | 24,000 | 2,000 | 6,300 |
| Wheeler | 11,200 | 1,100 | 3,700 | 15,000 | 900 | 6,000 |
| District total | 96,000 | 20,800 | 24,100 | 137,500 | 16,700 | 38,800 |

Table 6 (Continued). ESTIMATED NUMBER OF CATTLE AND COWS ON FARMS IN OREGON BY COUNTIES, JANUARY 1, 1940 AND JANUARY 1, 1946^p

| District and county | Number on farms January 1, 1940 | | | Number on farms January 1, 1946 | | |
|----------------------|---------------------------------|------------------------------------|------------------------------------|---------------------------------|------------------------------------|------------------------------------|
| | All cattle (all ages) | Milk cows (2 years and over) | Beef cows (2 years and over) | All cattle (all ages) | Milk cows (2 years and over) | Beef cows (2 years and over) |
| <i>District 5</i> | | | | | | |
| Baker | 64,000 | 9,600 | 13,500 | 75,000 | 8,000 | 18,000 |
| Malheur | 77,000 | 10,500 | 24,500 | 111,000 | 13,600 | 42,000 |
| Union | 28,500 | 7,300 | 5,100 | 34,000 | 7,800 | 7,500 |
| Wallowa | 36,000 | 7,400 | 8,000 | 41,000 | 6,000 | 9,700 |
| District total | 205,500 | 34,800 | 51,100 | 261,000 | 35,400 | 77,200 |
| <i>District 6</i> | | | | | | |
| Crook | 30,000 | 2,700 | 10,800 | 37,000 | 2,000 | 14,500 |
| Deschutes | 12,000 | 4,500 | 1,300 | 15,500 | 4,000 | 2,500 |
| Grant | 47,000 | 2,750 | 19,500 | 53,000 | 3,000 | 26,000 |
| Harney | 67,000 | 1,200 | 24,300 | 70,000 | 1,300 | 36,000 |
| Jefferson | 12,000 | 550 | 4,000 | 12,000 | 700 | 6,800 |
| Klamath | 55,000 | 6,500 | 18,500 | 62,500 | 4,000 | 30,000 |
| Lake | 60,000 | 2,400 | 30,900 | 70,000 | 2,000 | 45,000 |
| District total | 283,000 | 20,600 | 109,300 | 320,000 | 17,000 | 160,800 |
| State total | 937,000 | 262,000 | 208,000 | 1,089,000 | 261,000 | 313,000 |

^p Preliminary.

¹ County estimates prepared by the O.S.C. Extension Service and adjusted to state totals published by the U. S. Department of Agriculture, Bureau of Agricultural Economics.

Table 7. MILK COWS, TWO YEARS OLD AND OLDER ON FARMS, BY COUNTIES, OREGON, JANUARY 1, 1939-JANUARY 1, 1946¹

| District and county | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945p | 1946p | 8-year average, 1939-1946 |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------------------------|
| <i>District 1</i> | | | | | | | | | |
| Benton | 6,500 | 6,200 | 6,300 | 6,600 | 6,300 | 6,000 | 5,800 | 5,000 | 6,090 |
| Clackamas | 15,000 | 14,000 | 13,800 | 14,500 | 15,500 | 16,000 | 16,000 | 15,800 | 15,080 |
| Lane | 14,000 | 13,900 | 14,200 | 14,800 | 15,500 | 15,300 | 15,500 | 15,000 | 14,770 |
| Linn | 15,000 | 14,400 | 14,600 | 15,700 | 16,600 | 16,200 | 16,200 | 14,000 | 15,340 |
| Marion | 17,500 | 17,400 | 17,500 | 18,000 | 19,500 | 20,000 | 19,500 | 19,500 | 18,610 |
| Multnomah | 7,800 | 7,600 | 7,800 | 7,900 | 8,100 | 7,700 | 6,700 | 6,500 | 7,510 |
| Polk | 8,500 | 8,300 | 8,500 | 9,000 | 9,100 | 8,500 | 8,500 | 7,500 | 8,490 |
| Washington | 17,200 | 17,000 | 17,000 | 18,400 | 18,600 | 17,400 | 17,000 | 16,500 | 17,390 |
| Yamhill | 11,500 | 11,200 | 11,300 | 11,700 | 12,000 | 11,500 | 11,500 | 11,500 | 11,520 |
| District total | 113,000 | 110,000 | 111,000 | 116,600 | 121,200 | 118,600 | 116,700 | 111,300 | 114,800 |
| <i>District 2</i> | | | | | | | | | |
| Clatsop | 4,400 | 4,400 | 4,600 | 4,800 | 5,100 | 4,700 | 4,600 | 4,500 | 4,640 |
| Columbia | 8,300 | 8,100 | 8,100 | 8,700 | 9,500 | 9,500 | 10,000 | 9,000 | 8,900 |
| Coos | 15,300 | 15,300 | 15,500 | 15,700 | 16,800 | 16,600 | 19,000 | 15,800 | 16,250 |
| Curry | 3,400 | 3,200 | 3,000 | 3,200 | 3,300 | 3,000 | 2,800 | 2,400 | 3,040 |
| Lincoln | 5,000 | 4,900 | 5,100 | 5,300 | 5,300 | 5,300 | 5,000 | 5,000 | 5,110 |
| Tillamook | 15,600 | 15,500 | 15,700 | 16,300 | 17,000 | 17,000 | 17,000 | 16,500 | 14,200 |
| District total | 52,000 | 51,400 | 52,000 | 54,000 | 57,000 | 56,100 | 58,400 | 53,200 | 52,140 |
| <i>District 3</i> | | | | | | | | | |
| Douglas | 9,000 | 8,700 | 9,000 | 8,800 | 9,000 | 8,400 | 8,000 | 8,000 | 8,610 |
| Jackson | 10,200 | 10,000 | 10,300 | 10,800 | 12,000 | 11,600 | 13,000 | 13,000 | 11,360 |
| Josephine | 5,800 | 5,700 | 5,500 | 6,200 | 7,000 | 6,800 | 6,500 | 6,400 | 6,240 |
| District total | 25,000 | 24,400 | 24,800 | 25,800 | 28,000 | 26,800 | 27,500 | 27,400 | 26,210 |
| <i>District 4</i> | | | | | | | | | |
| Gilliam | 1,250 | 1,250 | 1,250 | 1,250 | 1,300 | 1,400 | 1,400 | 800 | 1,240 |
| Hood River | 2,000 | 2,000 | 2,000 | 2,000 | 2,150 | 2,100 | 2,300 | 2,200 | 2,090 |
| Morrow | 2,600 | 2,600 | 2,600 | 2,600 | 2,800 | 2,800 | 2,800 | 2,000 | 2,600 |
| Sherman | 1,150 | 1,150 | 1,150 | 1,150 | 1,100 | 1,400 | 1,500 | 800 | 1,170 |
| Umatilla | 10,000 | 9,800 | 9,900 | 10,300 | 11,100 | 10,700 | 10,500 | 8,000 | 10,040 |
| Wasco | 2,800 | 2,900 | 3,000 | 2,900 | 3,000 | 3,000 | 2,800 | 2,000 | 2,800 |
| Wheeler | 1,100 | 1,100 | 1,100 | 1,000 | 1,000 | 1,000 | 900 | 900 | 1,010 |
| District total | 20,900 | 20,800 | 21,000 | 21,200 | 22,450 | 22,400 | 22,200 | 16,700 | 20,950 |

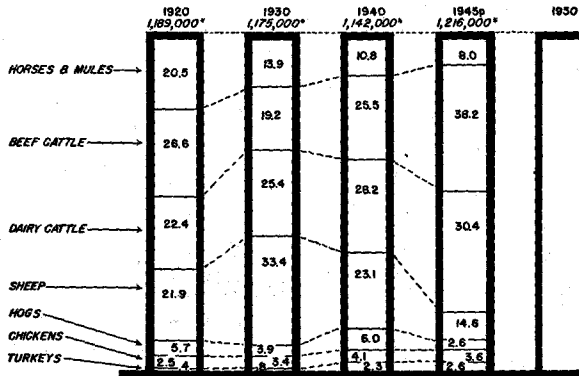
Table 7 (Continued). MILK COWS, TWO YEARS OLD AND OLDER ON FARMS, BY COUNTIES, OREGON, JANUARY 1, 1939-JANUARY 1, 1946^p

| District and county | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 ^p | 1946 ^p | 8-year average, 1939-1946 |
|----------------------|---------|---------|---------|---------|---------|---------|-------------------|-------------------|---------------------------|
| <i>District 5</i> | | | | | | | | | |
| Baker | 9,703 | 9,600 | 9,700 | 10,000 | 11,000 | 10,300 | 10,000 | 8,000 | 9,790 |
| Malheur | 10,300 | 10,500 | 10,700 | 12,000 | 12,600 | 13,600 | 14,000 | 13,600 | 12,160 |
| Union | 7,500 | 7,300 | 7,350 | 7,700 | 8,200 | 8,000 | 7,900 | 7,800 | 7,720 |
| Wallowa | 7,600 | 7,400 | 7,450 | 7,600 | 7,800 | 7,500 | 7,500 | 6,000 | 7,360 |
| District total | 35,100 | 34,800 | 35,200 | 37,300 | 39,600 | 39,400 | 39,400 | 35,400 | 37,030 |
| <i>District 6</i> | | | | | | | | | |
| Crook | 2,850 | 2,700 | 2,750 | 2,600 | 2,900 | 2,600 | 2,400 | 2,000 | 2,600 |
| Deschutes | 4,600 | 4,500 | 4,600 | 4,800 | 4,800 | 4,400 | 4,300 | 4,000 | 4,500 |
| Grant | 2,700 | 2,750 | 2,700 | 2,600 | 2,800 | 2,800 | 2,600 | 3,000 | 2,740 |
| Harney | 1,200 | 12,000 | 1,250 | 1,250 | 1,550 | 1,500 | 1,400 | 1,300 | 1,330 |
| Jefferson | 550 | 550 | 550 | 550 | 600 | 600 | 600 | 700 | 590 |
| Klamath | 6,600 | 6,500 | 6,700 | 6,800 | 6,700 | 6,400 | 6,200 | 4,000 | 6,240 |
| Lake | 2,500 | 2,400 | 2,450 | 2,500 | 2,400 | 2,400 | 2,300 | 2,000 | 2,370 |
| District total | 21,000 | 20,600 | 21,000 | 21,100 | 21,750 | 20,700 | 19,800 | 17,000 | 20,370 |
| State total | 267,000 | 262,000 | 265,000 | 276,000 | 290,000 | 284,000 | 284,000 | 261,000 | 271,500 |

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^p Preliminary.
¹County estimates prepared by the O.S.C. Extension Service and adjusted to state totals published by the U. S. Department of Agriculture, Bureau of Agricultural Economics.

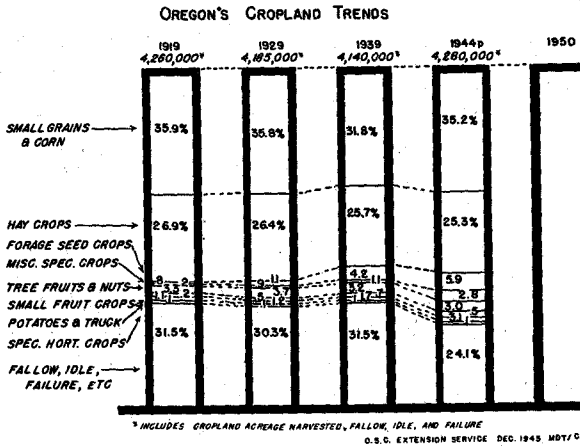
OREGON'S PRINCIPAL ANIMAL INDUSTRIES



* INDICATED ANIMAL UNITS BASED ON ESTIMATED T.D.N. REQUIREMENTS

O.R.C. EXTENSION SERVICE DEC. 1945 MOY/CR

The amount of feed required for dairy animals increased about 50 per cent from 1920 to 1945. During this 25-year period there was an increase in the total digestible nutrient requirements for livestock and poultry from 1,189,000 animal unit requirements up to 1,216,000. Dairy cattle requirements were 22.4 per cent of the total in 1920 and 30.4 per cent in 1945.



Dairy production in Oregon requires great amounts of hay, pasturage, and other feeds. Despite the slight downward trend in the acreage in hay crops since 1919, there has been an increase of over 25 per cent in the number of milk cows on farms. Furthermore, milk production per cow has increased considerably. The increase in dairy output has been possible owing partly to larger yields of hay per acre of better average quality.

OREGON AGRICULTURAL STATISTICAL BULLETINS

At the present time, bulletins containing Oregon agricultural statistics include the following:

- Extension Bulletin 680, Oregon's Dairy Industry, 1867-1947
- Extension Bulletin 679, Oregon's Specialty Animal Industries, 1936-1946
- Extension Bulletin 678, Oregon's Farm-Raised Poultry Products, 1909-1947
- Extension Bulletin 677, Oregon's Specialty Horticultural Crops, 1936-1945
- Extension Bulletin 660, Oregon's Farm Price Data, 1909-1944
- Extension Bulletin 656, Oregon's Small Fruit Crops, 1936-1944
- Extension Bulletin 654, Oregon's Grain and Hay Crops, 1869-1944 (being revised)
- Extension Bulletin 651, Oregon's Shipments and Unloads of Potatoes and Truck Crops, 1925-1943
- Extension Bulletin 641, Oregon's Farm Products for Market, 1936-1940
- Extension Bulletin 640, Oregon's Shipments and Unloads of Tree Fruits, 1925-1943
- Extension Bulletin 636, Oregon's Miscellaneous Specialty Crops, 1936-1943.
- Extension Bulletin 631, Oregon's Tree Fruits and Nut Crops, 1910-1943 (out of print)
- Extension Bulletin 613, Oregon's Forage Seed Crops, 1941-1942 (being revised)

Other bulletins are in the process of preparation.