

*Oregon's*

# GRAIN AND HAY CROPS

**1869**

**1944**

Wheat, Oats, Barley,  
Rye, Corn, Hay,  
etc.

## STATISTICAL YEARBOOK

Containing state estimates of acreage, production, price, and income, by periods from 1869 to 1944, and certain county estimates prepared cooperatively by the Oregon State College Extension Service, Agricultural Economics Section, and the Division of Agricultural Statistics, Bureau of Agricultural Economics, United States Department of Agriculture.

Oregon State System of Higher Education  
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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, and are published subject to revision. Tables or data marked "preliminary" are especially subject to further consideration and revision.

HARVESTED ACREAGE is estimated acreage from which all or any part of the crop is harvested.

FARM PRODUCTION relates to the total outturn of the given commodity, irrespective of use, whether sold, consumed by the farm family, or consumed in production of further farm products on the farm where grown.

SEASONAL AVERAGE PRICES are the averages of prices received by farmers at usual marketing points for quantities sold during a crop marketing season. In some cases, these are monthly prices weighted by monthly marketings.

VALUE OF FARM MARKETINGS in this bulletin is intended to represent the returns to farmers from agricultural 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 Grain and Hay Crops\*

## 1869-1944

OREGON'S various hay crops, wheat, oats, barley, rye, corn, millet, sorghum, speltz, and buckwheat include the most important Oregon crops in terms of both acres of land used and value of farm marketings. Farmers in all thirty-six counties of the state produce some of these crops but the acreage varies widely from county to county and from year to year.

The principal kinds listed in Table 1 occupied approximately 2,588,000 acres of Oregon cropland in 1944. This is only slightly greater than during the prewar period 1935-1939, but about 12 per cent greater than during the 1910-1914 period. Increases in oats and barley more than offset the decreases in wheat, rye, corn, and hay in 1944 compared with the five-year period 1935-1939. Value of farm sales has decreased somewhat in relative importance compared with some other groups of products during the past two decades. For the year 1944 the value of marketings of grain and hay crops amounted to perhaps 13 to 14 per cent of the total value of farm sales of all crop and animal products. This compares with approximately 15.9 per cent during the 1935-1939 period, and 23.3 per cent in 1926-1930.

Although hay crops rank first in acreage and value for feeding livestock, wheat is the most important cash crop, while oats, barley, rye, and corn are the other principal crops in this group of products. State estimates of acreage, production, price, and value of farm marketings by periods from 1869 to 1944 for these hay and grain crops are given in Table 1. County acreage data from 1939 to 1943 are given in Tables 3 to 15. Data for millet, sorghum, speltz, buckwheat, and some other minor kinds of grain are incomplete. These crops have been grown in a limited way in Oregon but have been of comparatively little importance.

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\* These statistics are based on information assembled from growers, handlers, county agricultural agents, extension agricultural specialists, experiment station staff, Agricultural Adjustment Agency representatives, State Department of Agriculture officials, and others in the thirty-six counties of the state. The cooperation of a great many persons, who gave voluntarily of their time and information when interviewed personally or by questionnaire, has contributed much to the completeness and accuracy of this report. Such cooperation is gratefully acknowledged.

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Table 1. PRINCIPAL GRAIN AND HAY CROPS: ACREAGE, PRODUCTION, SEASONAL AVERAGE PRICE, AND VALUE OF FARM MARKETING, OREGON, 1869-1944

Commodities and periods	Area harvested	Farm production	Seasonal average price per bushel <sup>1</sup>	Value of farm marketings <sup>2</sup>
<i>All Wheat:</i>	<i>Acres</i>	<i>Bushels</i>		
Average:				
1869 .....	120,000	2,340,000	\$ 0.85	.....
1870-1879 .....	248,000	4,673,000	.89	.....
1880-1889 .....	549,000	9,847,000	.74	.....
1890-1899 .....	709,000	13,099,000	.63	.....
1900-1909 .....	698,000	12,855,000	.72	.....
1910-1914 .....	812,000	17,037,000	.80	\$11,916,000
1915-1919 .....	957,000	17,561,000	1.62	24,161,000
1920-1924 .....	967,000	19,728,000	1.20	20,573,000
1925-1929 .....	1,045,000	22,074,000	1.17	21,804,000
1930-1934 .....	940,000	18,312,000	.59	8,264,000
1935-1939 .....	936,000	18,928,000	.73	11,198,000
Annual:				
1935 .....	878,000	15,503,000	.72	9,569,000
1936 .....	1,000,000	20,340,000	.90	10,665,000
1937 .....	993,000	20,424,000	.77	13,435,000
1938 .....	1,068,000	22,760,000	.53	11,772,000
1939 .....	740,000	15,611,000	.71	10,551,000
1940 .....	839,000	16,960,000	.66	9,151,000
1941 .....	820,000	23,538,000	.92	18,335,000
1942 .....	720,000	19,764,000	1.07	18,332,000
1943 .....	728,000	19,734,000	1.30	16,740,000
1944p .....	910,000	23,105,000	1.37	25,602,000
<i>Barley:</i>				
Average:				
1869 .....	6,000	210,000	.60	.....
1870-1879 .....	18,000	540,000	.65	.....
1880-1889 .....	34,000	963,000	.55	.....
1890-1899 .....	52,000	1,410,000	.47	.....
1900-1909 .....	89,000	2,334,000	.55	.....
1910-1914 .....	91,000	2,242,000	.60	710,000
1915-1919 .....	81,000	1,765,000	1.09	785,000
1920-1924 .....	57,000	1,474,000	.85	592,000
1925-1929 .....	74,000	2,155,000	.74	629,000
1930-1934 .....	82,000	2,388,000	.44	467,000
1935-1939 .....	137,000	3,912,000	.55	891,000
Annual:				
1935 .....	112,000	3,024,000	.47	552,000
1936 .....	106,000	3,180,000	.73	958,000
1937 .....	139,000	4,448,000	.59	1,039,000
1938 .....	151,000	3,775,000	.45	728,000
1939 .....	177,000	5,133,000	.50	1,177,000
1940 .....	213,000	5,325,000	.50	1,196,000
1941 .....	209,000	6,688,000	.66	1,692,000
1942 .....	334,000	10,855,000	.71	3,063,000
1943 .....	287,000	10,476,000	1.00	6,900,000
1944p .....	207,000	7,142,000	1.08	3,176,000
<i>Oats:<sup>3</sup></i>				
Average:				
1869 .....	12,000	500,000	.55	.....
1870-1879 .....	108,000	3,207,000	.50	.....
1880-1889 .....	183,000	5,103,000	.42	.....
1890-1899 .....	273,000	7,459,000	.37	.....
1900-1909 .....	310,000	9,007,000	.44	.....
1910-1914 .....	334,000	10,910,000	.42	1,851,000
1915-1919 .....	303,000	9,038,000	.71	2,077,000
1920-1924 .....	278,000	8,048,000	.56	1,873,000
1925-1929 .....	273,000	8,133,000	.51	1,518,000
1930-1934 .....	260,000	7,994,000	.33	917,000
1935-1939 .....	286,000	8,972,000	.38	1,351,000
Annual:				
1935 .....	306,000	8,874,000	.34	828,000
1936 .....	315,000	10,710,000	.44	1,628,000
1937 .....	261,000	9,396,000	.38	1,653,000
1938 .....	241,000	6,025,000	.38	1,088,000
1939 .....	308,000	9,856,000	.35	1,460,000
1940 .....	308,000	7,700,000	.35	1,152,000
1941 .....	296,000	8,732,000	.50	1,224,000
1942 .....	296,000	10,064,000	.54	1,598,000
1943 .....	311,000	11,818,000	.75	3,347,000
1944p .....	305,000	10,828,000	.74	3,044,000

Table 1. PRINCIPAL GRAIN AND HAY CROPS: ACREAGE, PRODUCTION, SEASONAL AVERAGE PRICE, AND VALUE OF FARM MARKETING, OREGON, 1869-1944—Continued

Commodities and periods	Area harvested	Farm production	Seasonal average price per bushel <sup>1</sup>	Value of farm marketings <sup>2</sup>
<b>Rye:</b>	<i>Acres</i>	<i>Bushels</i>		
Average:			1.00	
1869 .....	.....	.....	.....	.....
1870-1879 .....	1,000 <sup>4</sup>	15,000	.84	.....
1880-1889 .....	4,000	43,000	.73	.....
1890-1899 .....	9,000	101,000	.65	.....
1900-1909 .....	12,000	159,000	.81	.....
1910-1914 .....	19,000	263,000	.86	183,000
1915-1919 .....	32,000	354,000	1.54	413,000
1920-1924 .....	28,000	374,000	1.02	301,000
1925-1929 .....	17,000	237,000	1.01	149,000
1930-1934 .....	26,000	312,000	.60	119,000
1935-1939 .....	34,000	453,000	.60	222,000
Annual:				
1935 .....	34,000	442,000	.60	149,000
1936 .....	41,000	574,000	.71	268,000
1937 .....	39,000	526,000	.67	299,000
1938 .....	33,000	412,000	.44	198,000
1939 .....	25,000	312,000	.59	195,000
1940 .....	45,000	608,000	.58	251,000
1941 .....	44,000	638,000	.70	282,000
1942 .....	36,000	504,000	.74	161,000
1943 .....	34,000	510,000	1.04	216,000
1944p .....	30,000	450,000	1.14	225,000
<b>Corn, total<sup>5</sup>:</b>				
Average:				
1869 .....	6,000	200,000	.80	.....
1870-1879 .....	5,000	120,000	.90	.....
1880-1889 .....	8,000	193,000	.72	.....
1890-1899 .....	17,000	406,000	.58	.....
1900-1909 .....	29,000	717,000	.66	.....
1910-1914 .....	40,000	1,074,000	.83	39,000
1915-1919 .....	64,000	1,772,000	1.39	133,000
1920-1924 .....	71,000	2,130,000	1.06	115,000
1925-1929 .....	62,000	1,850,000	1.09	123,000
1930-1934 .....	62,000	1,848,000	.71	101,000
1935-1939 .....	66,000	2,019,000	.75	141,000
Annual:				
1935 .....	60,000	1,860,000	.79	153,000
1936 .....	68,000	2,108,000	.97	192,000
1937 .....	72,000	2,376,000	.65	166,000
1938 .....	60,000	1,680,000	.61	95,000
1939 .....	68,000	2,074,000	.72	97,000
1940 .....	60,000	1,830,000	.76	143,000
1941 .....	61,000	2,013,000	.92	119,000
1942 .....	52,000	1,742,000	1.03	178,000
1943 .....	50,000	1,825,000	1.34	152,000
1944p .....	46,000	1,587,000	1.41	212,000
<b>Hay, total:</b>			<i>Price per ton</i>	
Average:		<i>Tons</i>		
1910-1914 .....	1,016,000	1,650,000	\$ 9.24	2,982,000
1915-1919 .....	1,089,000	1,925,000	14.68	6,507,000
1920-1924 .....	1,134,000	1,838,000	12.24	5,091,000
1925-1929 .....	1,139,000	1,834,000	11.50	4,261,000
1930-1934 .....	1,141,000	1,816,000	8.42	3,420,000
1935-1939 .....	1,108,000	1,798,000	8.70	3,934,000
Annual:				
1935 .....	1,149,000	1,680,000	8.70	3,927,000
1936 .....	1,108,000	1,864,000	9.10	4,462,000
1937 .....	1,094,000	1,759,000	9.20	3,930,000
1938 .....	1,113,000	1,834,000	8.40	3,747,000
1939 .....	1,076,000	1,857,000	8.10	3,603,000
1940 .....	1,087,000	1,876,000	7.50	2,798,000
1941 .....	1,045,000	1,923,000	9.20	3,207,000
1942 .....	1,055,000	1,846,000	13.70	5,244,000
1943 .....	1,105,000	1,912,000	18.40p	7,356,000
1944p .....	1,090,000	1,862,000	.....	7,989,000

Table 1. PRINCIPAL GRAIN AND HAY CROPS: ACREAGE, PRODUCTION, SEASONAL AVERAGE PRICE, AND VALUE OF FARM MARKETING, OREGON, 1869-1944—*Continued*

Commodities and periods	Area harvested	Farm production	Seasonal average price per ton <sup>1</sup>	Value of farm marketings <sup>2</sup>
<i>Alfalfa Hay:</i>	<i>Acres</i>	<i>Tons</i>		
Average:				
1915-1919 .....	211,000 <sup>3</sup>	446,000	16.54	.....
1920-1924 .....	234,000	764,000	12.60	.....
1925-1929 .....	230,000	719,000	11.78	.....
1930-1934 .....	260,000	641,000	8.78	.....
1935-1939 .....	276,000	708,000	8.94	.....
Annual:				
1935 .....	254,000	648,000	8.90	.....
1936 .....	267,000	708,000	9.60	.....
1937 .....	280,000	686,000	9.50	.....
1938 .....	288,000	749,000	8.40	.....
1939 .....	294,000	750,000	8.30	.....
1940 .....	300,000	765,000	7.60 <sup>4</sup>	.....
1941 .....	303,000	773,000	9.10 <sup>5</sup>	.....
1942 .....	291,000	728,000	15.60 <sup>6</sup>	.....
1943 .....	276,000	690,000	20.00 <sup>7</sup>	.....
1944p .....	268,000	657,000	19.00 <sup>7</sup>	.....

p Preliminary.

<sup>1</sup>1869-1909 inclusive, December 1 average.<sup>2</sup>Calendar year.<sup>3</sup>The oat acreage estimates include all the acreage of oats for grain grown alone and one-half the acreage of oats for grain grown with peas or vetch.<sup>4</sup>Three-year average, 1877 to 1879.<sup>5</sup>Corn production is reported on a grain equivalent basis and thus includes grain produced on corn harvested for silage and fodder, and corn hogged off.<sup>6</sup>1919 only.<sup>7</sup>December 15.

### Grain crops

District 4, the Columbia Basin, has the most land producing grain of the six type-of-farming areas in Oregon. District 1, Willamette Valley, is second; then, in the order named, District 5, Snake River Basin; District 6, South Central counties; District 3, Southern Oregon; and District 2, Coast and Lower Columbia counties. No very significant trend in acreage of these crops developed by districts during the 1939-1943 period, although the tendency was downward in District 1 and up in District 6, the latter being due mostly to Klamath County.

During the 1939-1943 period, Oregon's total acreage of the principal grain crops (including wheat, the full acreage of oats grown with vetch or peas for grain and seed, barley, rye, and all of the field corn) ranged from 1,351,000 acres in 1939 to 1,532,000 acres in 1942 as shown by data in Table 2. There was more failure and diversion from grain to hay in 1939 than in other years of this period. This accounts in part for the low acreage harvested for grain that year.

The annual acreage of grain crops varies with shifts in summer fallow and other uses of cropland. The variations in total acreage of the five kinds of grain as a group, however, are usually much less

than the variations of individual kinds. Shifts from one kind to another are usually mostly compensating, without affecting the total grain acreage materially.

Table 2. FIVE PRINCIPAL GRAIN CROPS: ESTIMATED ACREAGE HARVESTED BY COUNTIES AND DISTRICTS, OREGON, 1939-1943<sup>1</sup>

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	35,785	35,725	38,230	31,265	29,675
Clackamas .....	58,400	56,700	55,500	49,200	51,050
Lane .....	51,975	57,875	62,900	52,175	48,050
Linn .....	88,470	83,100	78,500	68,640	77,900
Marion .....	91,930	87,550	81,100	39,350	84,250
Multnomah .....	5,500	4,425	5,535	6,020	4,530
Polk .....	51,345	57,450	62,600	59,200	51,575
Washington .....	54,900	55,275	52,935	55,325	55,030
Yamhill .....	57,160	60,750	66,360	70,150	70,500
Total, District 1 .....	495,465	498,850	503,660	481,325	472,560
<i>District 2</i>					
Clatsop .....	600	450	395	495	505
Columbia .....	5,080	5,200	4,250	3,830	3,675
Coos .....	1,715	1,545	1,890	1,855	1,785
Curry .....	145	75	50	80	125
Lincoln .....	385	350	400	800	485
Tillamook .....	30	25	25	35	50
Total, District 2 .....	7,955	7,645	7,010	7,095	6,625
<i>District 3</i>					
Douglas .....	28,900	32,470	33,070	32,775	31,650
Jackson .....	16,505	15,300	15,330	15,400	14,800
Josephine .....	2,905	3,125	3,325	3,075	4,000
Total, District 3 .....	48,310	51,395	51,725	51,250	50,450
<i>District 4</i>					
Gilliam .....	89,235	115,930	106,320	110,615	107,870
Hood River .....	610	575	610	435	390
Morrow .....	88,025	123,500	113,050	129,000	115,850
Sherman .....	98,650	116,370	113,750	123,900	119,300
Umatilla .....	215,300	251,300	236,750	241,000	215,650
Wasco .....	57,395	70,550	65,120	75,630	68,640
Wheeler .....	5,755	5,310	6,680	5,605	5,305
Total, District 4 .....	556,070	684,535	642,280	686,185	633,505
<i>District 5</i>					
Baker .....	25,970	29,050	30,600	31,400	31,675
Malheur .....	30,950	33,200	44,600	40,600	38,100
Union .....	55,950	57,575	59,225	53,550	51,775
Wallowa .....	33,530	38,375	39,300	33,500	39,550
Total, District 5 .....	146,400	158,200	173,725	159,050	161,100
<i>District 6</i>					
Crook .....	8,300	9,935	10,460	9,805	9,705
Deschutes .....	7,870	7,530	8,630	6,975	6,365
Grant .....	3,880	4,100	5,140	4,175	4,920
Harney .....	5,650	10,410	10,030	10,750	10,325
Jefferson .....	21,385	37,730	33,310	36,560	36,175
Klamath .....	39,010	41,720	47,620	55,420	55,365
Lake .....	10,705	16,950	24,410	23,410	21,905
Total, District 6 .....	96,800	128,375	139,600	147,095	144,760
State Total .....	1,351,000	1,529,000	1,518,000	1,532,000	1,469,000

<sup>1</sup>Includes wheat for grain, oats alone or with other crops for grain, barley for grain, rye for grain, and field corn for livestock feed. Compiled from data in Tables 3, 4, 7, 8, and 9.

## All Wheat

All but two of Oregon's thirty-six counties harvest wheat for grain but in recent years more than half of the crop has been produced in five leading counties of the Columbia Basin, District 4. Wheat production in Oregon increased from 120,000 acres and

Table 3. ALL WHEAT FOR GRAIN: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939 to 1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	6,100	5,800	5,700	4,200	4,000
Clackamas .....	11,800	11,400	9,800	7,400	7,200
Lane .....	11,600	10,800	10,000	7,000	7,000
Linn .....	17,200	16,000	15,000	11,800	11,000
Marion .....	19,000	17,500	15,500	13,000	11,500
Multnomah .....	780	700	660	600	300
Polk .....	10,500	10,500	10,300	8,600	5,600
Washington .....	14,100	13,500	12,500	12,000	9,600
Yamhill .....	12,300	12,700	11,500	10,500	8,400
Total, District 1 .....	103,380	98,900	90,960	75,100	64,600
<i>District 2</i>					
Clatsop .....	70	50	30	40	40
Columbia .....	1,100	1,100	800	675	525
Coos .....	40	30	50	30	35
Curry .....					
Lincoln .....	30	40	30	20	20
Tillamook .....					
Total, District 2 .....	1,240	1,220	910	765	620
<i>District 3</i>					
Douglas .....	6,600	6,500	6,200	5,000	4,000
Jackson .....	5,600	5,300	5,000	3,900	3,200
Josephine .....	740	870	900	700	600
Total, District 3 .....	12,940	12,670	12,100	9,600	7,800
<i>District 4</i>					
Gilliam .....	86,000	104,000	99,000	88,000	97,500
Hood River .....	40	10	30	35	30
Morrow .....	83,000	106,000	103,500	95,000	93,000
Sherman .....	92,500	104,700	106,000	96,000	98,000
Umatilla .....	191,300	211,000	207,000	180,000	177,000
Wasco .....	53,000	62,000	58,000	55,000	55,000
Wheeler .....	3,400	3,200	3,800	3,000	3,000
Total, District 4 .....	509,240	590,910	577,330	517,035	523,530
<i>District 5</i>					
Baker .....	11,000	13,000	12,700	12,000	12,500
Malheur .....	8,100	9,200	10,500	9,000	8,500
Union .....	36,100	37,000	37,000	32,000	31,500
Wallowa .....	19,400	22,000	22,000	16,000	21,500
Total, District 5 .....	74,600	81,200	82,200	69,000	74,000
<i>District 6</i>					
Crook .....	2,900	3,200	3,100	2,400	2,200
Deschutes .....	1,700	1,600	1,800	1,200	750
Grant .....	1,600	1,800	2,000	1,500	1,600
Harney .....	1,200	2,300	2,200	1,900	2,400
Jefferson .....	20,500	33,000	31,000	29,500	32,500
Klamath .....	8,000	9,600	9,800	8,000	12,000
Lake .....	2,700	2,600	6,600	4,000	6,000
Total, District 6 .....	38,600	54,100	56,500	48,500	57,450
State Total .....	740,000	839,000	820,000	720,000	728,000



2,340,000 bushels in 1869 to 1,102,000 acres and the production peak of 27,541,000 bushels in 1927. The most valuable crop was that of 1920 when production was estimated at 21,795,000 bushels and cash farm income from wheat at \$36,656,000.

Oregon's wheat acreage was comparatively low from 1939 to 1943, but under the stimulus of wartime demands the acreage reached a relatively high level in 1944. Although not as high as during World War I, prices are far above the 1930-1940 period.

The yield of wheat in Oregon has been relatively high in recent years, being estimated at 25.4 bushels to the acre in 1944 and 27.1 in 1943, compared with 21.2 as the average during the ten-year period 1933-1942.

Although wheat is grown in 34 of the 36 counties of the state, Table 3 shows that approximately 90 per cent of the acreage in 1943 was in eastern Oregon. Umatilla led all counties with approximately 24 per cent of the state acreage, followed by Sherman, Gilliam, and Morrow counties, each with approximately 13 per cent. The Willamette Valley had about 9 per cent in 1943 compared with 14 per cent in 1939. Variations in acreage have occurred in other districts, but trends have been less significant.

### Oats for grain

Acreage of oats in Oregon, most of which is located in western Oregon, increased from a low of 12,000 acres harvested in 1869 (see Table 1) to a record high of 345,000 acres in 1910 and 1911. During the intervening years, acreage of oats fluctuated considerably. For 1944, 305,000 acres are reported harvested compared with 311,000 in 1943, 286,000 during the 1935-1939 period, 260,000 in 1930-1934, and 334,000 in 1910-1914.

Based on data in Table 1, prices of oats have ranged from a low of 33¢ a bushel reported as the average during the depression years of 1930 to 1934 to a seasonal average price of 75¢ in 1943. A record high in income was reached in 1920 when growers received \$3,375,000 from farm sales of this crop. Value of farm marketings in 1943 was estimated at \$3,347,000—more than double the year previous and nearly two and one-half times the value of marketings during the prewar period 1935-1939. Preliminary estimates for 1944 place both price and marketings a little under 1943.

Marion County led with approximately 13 per cent of the state's acreage in 1943, followed by Yamhill and Linn counties each with approximately 12 per cent, Polk and Lane counties each with about 9 per cent, and Washington and Clackamas counties each with

about 8 per cent. Table 4 shows that some oats is harvested for grain in every county of the state, with the exception of Curry and Tillamook counties.

Tables 5 and 6 give a breakdown of the total oats-for-grain table, showing the oats grown alone or with other cereals, and oats

Table 4. OATS FOR GRAIN: ESTIMATED TOTAL ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943<sup>1</sup>

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	22,000	22,800	25,400	21,900	19,100
Clackamas .....	31,400	33,200	33,800	32,200	30,300
Lane .....	30,700	33,300	44,300	37,200	32,400
Linn .....	48,400	46,300	41,800	37,800	43,800
Marion .....	48,100	48,500	42,700	53,400	49,800
Multnomah .....	2,100	1,600	2,300	3,000	2,400
Polk .....	26,600	34,600	39,400	39,600	32,900
Washington .....	27,650	30,600	29,600	31,900	30,400
Yamhill .....	29,900	34,800	43,500	48,400	44,000
Total, District 1 .....	266,850	290,700	302,800	305,400	285,100
<i>District 2</i>					
Clatsop .....	500	350	320	400	400
Columbia .....	2,300	2,150	2,000	1,450	1,800
Coos .....	135	250	130	75	100
Curry .....	25				
Lincoln .....	175	150	220	550	300
Tillamook .....					
Total, District 2 .....	3,135	2,900	2,670	2,475	2,600
<i>District 3</i>					
Douglas .....	15,600	20,000	20,850	21,300	19,000
Jackson .....	3,400	3,500	3,350	4,500	4,500
Josephine .....	860	1,100	1,200	1,000	2,000
Total, District 3 .....	19,860	24,600	25,400	26,800	25,500
<i>District 4</i>					
Gilliam .....	200	800	650	800	1,150
Hood River .....	260	250	280	125	200
Morrow .....	350	700	800	500	400
Sherman .....	1,300	2,150	1,150	2,800	2,800
Umatilla .....	3,650	4,400	3,600	5,200	2,850
Wasco .....	775	1,800	800	1,600	1,700
Wheeler .....	770	600	450	500	300
Total, District 4 .....	7,305	10,700	7,730	11,525	9,400
<i>District 5</i>					
Baker .....	4,900	4,300	3,900	4,000	4,050
Malheur .....	3,700	3,800	4,500	4,100	5,200
Union .....	7,700	6,900	6,600	5,400	6,000
Wallowa .....	4,800	5,000	5,200	4,350	5,100
Total, District 5 .....	21,100	20,000	20,200	17,850	20,350
<i>District 6</i>					
Crook .....	2,100	2,000	1,850	2,000	1,850
Deschutes .....	3,350	2,800	2,600	1,650	2,300
Grant .....	550	400	700	650	850
Harney .....	2,000	2,300	1,800	2,000	1,400
Jefferson .....	150	300	350	450	200
Klamath .....	11,400	9,800	12,800	13,400	13,450
Lake .....	3,200	5,500	5,100	5,800	7,000
Total, District 6 .....	22,750	23,100	25,200	25,950	27,050
State Total .....	341,000	372,000	384,000	390,000	370,000

<sup>1</sup>Includes the full acreage of oats for grain shown in Tables 5 and 6.

grown with vetch and peas separately. As will be noted, in 1943 approximately 68 per cent of the state acreage was grown alone or with other cereals, with the remaining 32 per cent of the acreage grown with peas or vetch. The oats for grain grown with vetch and peas is mostly produced in the Willamette Valley of western Oregon.

Table 5. OATS FOR GRAIN GROWN ALONE OR WITH OTHER CEREALS: ESTIMATED ACREAGE HARVESTED, BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	13,000	10,300	8,200	7,100	8,600
Clackamas .....	25,200	23,200	17,600	14,800	20,300
Lane .....	21,700	18,300	15,800	12,800	16,400
Linn .....	42,200	38,300	33,200	29,400	37,600
Marion .....	41,700	35,500	29,400	33,000	37,800
Multnomah .....	2,000	1,500	1,600	2,000	2,100
Polk .....	17,600	17,600	12,400	9,600	14,900
Washington .....	20,650	13,000	11,400	12,700	17,900
Yamhill .....	19,300	12,800	9,000	9,400	19,000
Total, District 1 .....	203,350	170,500	138,600	130,800	174,600
<i>District 2</i>					
Clatsop .....	500	350	300	350	400
Columbia .....	2,250	1,725	1,600	1,200	1,550
Coos .....	135	100	50	75	100
Curry .....	25				
Lincoln .....	175	100	220	250	300
Tillamook .....					
Total, District 2 .....	3,085	2,275	2,170	1,875	2,350
<i>District 3</i>					
Douglas .....	13,500	14,000	10,850	9,800	13,000
Jackson .....	3,050	2,725	2,650	3,600	4,100
Josephine .....	860	1,000	850	700	1,650
Total, District 3 .....	17,410	17,725	14,350	14,100	18,750
<i>District 4</i>					
Gilliam .....	200	800	650	800	1,150
Hood River .....	260	250	280	125	200
Morrow .....	350	700	800	500	400
Sherman .....	1,300	2,150	1,150	2,800	2,800
Umatilla .....	3,650	4,400	3,600	5,200	2,850
Wasco .....	775	1,800	800	1,600	1,700
Wheeler .....	770	600	450	500	300
Total, District 4 .....	7,305	10,700	7,730	11,525	9,400
<i>District 5</i>					
Baker .....	4,900	4,300	3,900	4,000	4,000
Malheur .....	3,700	3,800	4,500	4,100	5,200
Union .....	7,700	6,900	6,600	5,400	5,850
Wallowa .....	4,800	5,000	5,200	4,350	5,100
Total, District 5 .....	21,100	20,000	20,200	17,850	20,150
<i>District 6</i>					
Crook .....	2,100	2,000	1,850	2,000	1,850
Deschutes .....	3,350	2,500	2,350	1,650	2,150
Grant .....	550	400	700	650	850
Harney .....	2,000	2,300	1,800	2,000	1,400
Jefferson .....	150	300	350	450	200
Klamath .....	11,400	9,800	12,800	13,300	13,300
Lake .....	3,200	5,500	5,100	5,800	7,000
Total District 6 .....	22,750	22,800	24,950	25,850	26,750
State Total .....	275,000	244,000	208,000	202,000	252,000

In the three districts of eastern Oregon, however, practically all of the oats for grain is grown alone or with other cereals, leaving only minor acreages grown with peas or vetch.

Table 6. OATS FOR GRAIN, GROWN WITH PEAS OR VETCH: ESTIMATED ACREAGE HARVESTED, BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	9,000	12,500	17,200	14,800	10,500
Clackamas .....	6,200	10,000	16,200	17,400	10,000
Lane .....	9,000	20,000	28,500	24,400	16,000
Linn .....	6,200	8,000	8,600	8,400	6,200
Marion .....	6,400	13,000	13,300	20,400	12,000
Multnomah .....	100	100	700	1,000	300
Polk .....	9,000	17,000	27,000	30,000	18,000
Washington .....	7,000	17,600	18,200	19,200	12,500
Yamhill .....	10,600	22,000	34,500	39,000	25,000
Total, District 1 .....	63,500	120,200	164,200	174,600	110,500
<i>District 2</i>					
Clatsop .....			20	50	
Columbia .....	50	425	400	250	250
Coos .....		150	80		
Curry .....					
Lincoln .....		50		300	
Tillamook .....					
Total, District 2 .....	50	625	500	600	250
<i>District 3</i>					
Douglas .....	2,100	6,000	10,000	11,500	6,000
Jackson .....	350	775	700	900	400
Josephine .....		100	350	300	350
Total, District 3 .....	2,450	6,875	11,050	12,700	6,750
<i>District 4</i>					
Gilliam .....					
Hood River .....					
Morrow .....					
Sherman .....					
Umatilla .....					
Wasco .....					
Wheeler .....					
Total, District 4 .....					
<i>District 5</i>					
Baker .....					50
Malheur .....					
Union .....					150
Wallowa .....					
Total, District 5 .....					200
<i>District 6</i>					
Crook .....					
Deschutes .....		300	250	400	150
Grant .....					
Harney .....					
Jefferson .....					
Klamath .....				100	150
Lake .....					
Total, District 6 .....		300	250	500	300
State Total .....	66,000	128,000	176,000	188,000	118,000

## Barley for grain

Barley in Oregon increased from a low of 6,000 acres and 210,000 bushels in 1869 to a high of 334,000 acres and 10,855,000 bushels in 1942. The following two years, however, showed declines with an estimated 287,000 acres in 1943 and a preliminary figure of

Table 7. BARLEY FOR GRAIN: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	5,700	5,200	5,700	4,400	5,700
Clackamas .....	5,800	4,900	4,700	4,000	6,200
Lane .....	6,400	6,100	6,400	6,000	6,650
Linn .....	17,400	16,000	17,500	16,000	19,700
Marion .....	9,500	8,000	8,200	9,500	11,100
Multnomah .....	800	500	900	1,200	800
Polk .....	11,500	10,000	11,000	9,500	11,400
Washington .....	6,900	5,500	5,300	6,600	10,200
Yamhill .....	9,800	8,800	7,900	8,200	14,700
Total, District 1 .....	73,800	65,000	67,600	65,400	86,450
<i>District 2</i>					
Clatsop .....	20	20	15	15	15
Columbia .....	800	1,100	450	850	500
Coos .....	250	265	200	250	50
Curry .....	20				
Lincoln .....	10	15	15	85	50
Tillamook .....					
Total, District 2 .....	1,100	1,400	680	1,200	615
<i>District 3</i>					
Douglas .....	3,800	3,400	3,600	4,000	6,000
Jackson .....	4,000	3,700	3,600	4,000	4,200
Josephine .....	425	500	600	750	850
Total, District 3 .....	8,225	7,600	7,800	8,750	11,050
<i>District 4</i>					
Gilliam .....	2,800	10,000	6,000	21,000	8,900
Hood River .....	25	15	20	50	35
Morrow .....	3,800	12,800	6,700	32,000	18,500
Sherman .....	4,800	9,400	6,400	25,000	18,900
Umatilla .....	19,000	32,500	23,500	52,500	33,000
Wasco .....	4,000	6,500	6,200	18,500	11,200
Wheeler .....	950	785	1,000	1,500	1,450
Total, District 4 .....	35,375	72,000	49,820	150,550	91,985
<i>District 5</i>					
Baker .....	7,700	8,800	10,500	13,500	12,700
Malheur .....	12,200	12,000	18,700	19,500	19,000
Union .....	9,300	10,000	12,000	13,500	12,500
Wallowa .....	7,800	8,200	8,600	12,000	10,900
Total, District 5 .....	37,000	39,000	49,800	58,500	55,100
<i>District 6</i>					
Crook .....	2,100	2,100	2,800	3,600	3,150
Deschutes .....	2,100	1,900	2,300	2,600	2,100
Grant .....	680	700	950	1,100	1,600
Harney .....	1,700	3,400	2,900	3,800	4,500
Jefferson .....	420	3,200	750	5,500	2,450
Klamath .....	11,000	11,000	13,000	22,000	20,500
Lake .....	3,500	5,700	10,600	11,000	7,500
Total, District 6 .....	21,500	28,000	33,300	49,600	41,800
State Total .....	177,000	213,000	209,000	334,000	287,000

207,000 acres in 1944. As will be noted from the state data in Table 1, seasonal average prices and value of farm marketings show considerable fluctuation. In 1943, value of farm marketings was reported at \$6,900,000—125 per cent above the year previous and nearly eight times the prewar period 1935-1939. Production of barley in 1943 was more than  $2\frac{1}{2}$  times the average from 1935-1939, while the seasonal average price nearly doubled.

In recent years all but two counties have harvested some barley for grain but the acreage has fluctuated considerably in most counties. The Columbia Basin counties of eastern Oregon had approximately 32 per cent of the barley acreage in 1943 and the Willamette Valley counties approximately 30 per cent. The remaining 38 per cent was distributed as follows: Snake River Basin counties 19 per cent, South Central counties 15 per cent, and the three southern Oregon counties 4 per cent. Only minor acreages are reported for the counties constituting the Coast and Lower Columbia group. Umatilla led all counties with approximately 11 per cent of the state total, followed by Klamath, Linn, Malheur, and Sherman counties each with about 7 per cent. Table 7 shows distribution among other counties and trends in acreage from 1939 to 1943. Barley acreage in districts 4 and 5 varies considerably, usually inversely to shifts in wheat acreage. The acreage of barley declined considerably in these districts in 1944 largely because of an increase in wheat acreage.

### Rye for grain

Rye is a comparatively minor grain crop in Oregon. It is mostly grown in the light soils and dry areas of eastern Oregon. In 1877, the acreage of rye cut for grain was reported at 1,000 with production at 14,000 bushels. By the 1915-1919 period, this had increased to 32,000 acres and 354,000 bushels. The most valuable crop is reported to have been in 1918 when value of farm sales is reported at \$561,000. The seasonal average farm price during the 1915-1919 period was \$1.54 a bushel. For 1944, it is estimated that Oregon farmers harvested 30,000 acres—4,000 acres below the year previous and 4,000 below the average during the 1935-1939 prewar period. Production of rye in 1944 is estimated at 450,000 bushels—60,000 bushels under 1943 but only 3,000 under the 1935-1939 average.

Table 8 gives the acreage of rye for grain in Oregon, by counties, for the years 1939 to 1943. In 1943, approximately 95 per cent was grown in eastern Oregon, with District 6 alone having more than 50 per cent of the state total. Klamath led all counties with approximately 28 per cent, followed by Morrow with about 10 per cent, and Crook with approximately 7 per cent.

Table 8. RYE FOR GRAIN: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	110	125	30	15	25
Clackamas .....	450	400	300	200	150
Lane .....	165	175	100	75	100
Linn .....	350	400	300	340	200
Marion .....	800	650	700	750	850
Multnomah .....	90	25	25	20	30
Polk .....	310	250	150	100	75
Washington .....	60	75	35	25	30
Yamhill .....	200	150	60	150	100
Total, District 1 .....	2,535	2,250	1,700	1,675	1,560
<i>District 2</i>					
Clatsop .....		10			
Columbia .....	40	25		5	
Coos .....			10		
Curry .....					
Lincoln .....	25	15	15	20	15
Tillamook .....					
Total, District 2 .....	65	50	25	25	15
<i>District 3</i>					
Douglas .....	100	70	70	75	50
Jackson .....	185	200	80	200	100
Josephine .....	15	30	25	25	25
Total, District 3 .....	300	300	175	300	175
<i>District 4</i>					
Gilliam .....	200	1,100	650	800	300
Hood River .....					
Morrow .....	500	3,600	1,600	1,000	3,500
Sherman .....	50	120	200	100	100
Umatilla .....	600	2,600	1,200	1,900	1,450
Wasco .....	50	180	50	500	700
Wheeler .....	600	1,200	1,400	600	550
Total, District 4 .....	2,000	8,800	5,100	4,900	6,600
<i>District 5</i>					
Baker .....	1,800	2,500	2,900	1,500	2,100
Malheur .....	900	2,200	3,400	1,500	1,900
Union .....	2,600	3,500	3,400	2,500	1,600
Wallowa .....	1,000	2,600	2,900	700	1,800
Total, District 5 .....	6,300	10,800	12,600	6,200	7,400
<i>District 6</i>					
Crook .....	1,200	2,600	2,700	1,800	2,500
Deschutes .....	700	1,200	1,900	1,500	1,200
Grant .....	950	1,100	1,400	900	850
Harney .....	750	2,400	3,100	3,000	1,900
Jefferson .....	300	1,200	1,200	1,100	1,000
Klamath .....	8,600	11,300	12,000	12,000	9,400
Lake .....	1,300	3,000	2,100	2,600	1,400
Total, District 6 .....	13,800	22,800	24,400	22,900	18,250
State Total .....	25,000	45,000	44,000	36,000	34,000

### All field corn

The Oregon acreage of field corn grown for all purposes including corn for grain, for silage, and for hogging down, grazing, and forage, but not including sweet corn harvested for fresh market or processing, is estimated at 46,000 in 1944. This is 8 per cent under

the acreage in 1943 and 30 per cent under the five-year period 1935-1939. Data in Table 1 show that acreage and production of corn in Oregon have been decreasing steadily over a period of years. Under wartime influences, however, prices have been at high levels compared to other years.

Table 9. CORN FOR LIVESTOCK FEED: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	1,875	1,800	1,400	750	850
Clackamas .....	8,950	6,800	6,900	5,400	7,200
Lane .....	3,110	2,500	2,100	1,900	1,900
Linn .....	5,120	4,400	3,900	2,700	3,200
Marion .....	14,530	12,900	14,000	12,700	11,000
Multnomah .....	1,730	1,600	1,650	1,200	1,000
Polk .....	2,435	2,100	1,750	1,400	1,600
Washington .....	6,190	5,600	5,500	4,800	4,800
Yamhill .....	4,960	4,300	3,400	2,900	3,300
Total, District 1 .....	48,900	42,000	40,600	33,750	34,850
<i>District 2</i>					
Clatsop .....	10	20	30	40	50
Columbia .....	840	825	1,000	850	850
Coos .....	1,290	1,000	1,500	1,500	1,600
Curry .....	100	75	50	80	125
Lincoln .....	145	130	120	125	100
Tillamook .....	30	25	25	35	50
Total, District 2 .....	2,415	2,075	2,725	2,630	2,775
<i>District 3</i>					
Douglas .....	2,800	2,500	2,350	2,400	2,600
Jackson .....	3,320	3,100	3,300	2,800	2,800
Josephine .....	865	625	600	600	525
Total, District 3 .....	6,985	6,225	6,250	5,800	5,925
<i>District 4</i>					
Gilliam .....	35	30	20	15	20
Hood River .....	285	300	280	225	125
Morrow .....	375	400	450	500	450
Sherman .....					
Umatilla .....	1,350	1,300	1,450	1,400	1,350
Wasco .....	70	70	70	30	40
Wheeler .....	35	25	30	5	5
Total, District 4 .....	2,150	2,125	2,300	2,175	1,990
<i>District 5</i>					
Baker .....	570	450	600	400	325
Malheur .....	6,050	6,000	7,500	6,500	3,500
Union .....	250	175	225	150	175
Wallowa .....	530	575	600	450	250
Total, District 5 .....	7,400	7,200	8,925	7,500	4,250
<i>District 6</i>					
Crook .....		35	10	5	5
Deschutes .....	20	30	30	25	15
Grant .....	100	100	90	25	20
Harney .....		10	30	50	125
Jefferson .....	15	30	10	10	25
Klamath .....	10	20	20	20	15
Lake .....	5	150	10	10	5
Total, District 6 .....	150	375	200	145	210
State Total .....	68,000	60,000	61,000	52,000	50,000



The eighteen counties of western Oregon grow between 85 and 90 per cent of the acreage. Malheur County in eastern Oregon, however, is an important corn producing county. Marion led all counties in 1943 with approximately 22 per cent of the acreage followed by Clackamas with 14 per cent, Washington with 10 per cent, and Malheur and Yamhill counties each with approximately 7 per cent.

### All hay

Hay is one of the largest crops in Oregon in terms of acreage and constitutes from 35 to 40 per cent of the total cropland harvested. Hay is grown in all counties of the state and is of greater importance than the data on value of farm sales indicate. This is due to the fact that a considerable portion of the production is used on farms for livestock feed while relatively small amounts are sold directly for cash. Acreage and production in the state have not changed greatly over a period of years.

Although hay is grown in every county more than 60 per cent is grown in eastern Oregon, with Harney the leading county. In 1943, Harney had 9 per cent of the state acreage, followed by Malheur and Lake each with 7 per cent, and Baker with 6 per cent.

The seasonal average price in 1943, influenced by war conditions, is estimated at \$18.40 a ton—34 per cent above 1942 and 111 per cent above the prewar 1935-1939 five-year average. This price was surpassed only in 1918—another year of wartime prices—when the average price in Oregon was estimated at \$19.30 a ton.

### Alfalfa hay

Alfalfa, although not the leading kind of hay in terms of acreage in Oregon, is grown to some extent in 33 of the 36 counties. It is usually considered the most valuable hay and is the basic kind to which prices, feeding values, and yields of other classes are related. Acreage increased steadily after 1933 reaching a peak of 303,000 acres in 1941, then started on a decline. The acreage of alfalfa hay, at 268,000 in 1944, was 3 per cent less than the year previous and 3 per cent less than the average from 1935 to 1939. Table 11 indicates the only group of counties showing an increase from 1942 to 1943 to be District 4. The leading alfalfa hay producing county in the state is Malheur, which had 16 per cent of the acreage in 1943. Other important alfalfa hay counties are Baker, Umatilla, and Union. This crop is grown in every district of the state with the exception of the coast counties of Clatsop, Curry, and Tillamook, of District 2.

Table 10. ALL HAY CROPS: ESTIMATED ACREAGE HARVESTED, BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	17,500	15,200	13,000	12,750	12,200
Clackamas .....	34,300	32,300	30,000	25,500	33,600
Lane .....	41,400	36,200	32,500	32,000	37,200
Linn .....	37,300	30,000	28,700	26,500	34,400
Marion .....	43,100	39,800	37,200	34,500	38,900
Multnomah .....	11,200	10,000	9,000	10,000	10,500
Polk .....	28,100	22,000	20,300	18,500	18,700
Washington .....	37,200	36,100	34,700	30,000	34,500
Yamhill .....	30,400	25,700	27,200	23,000	27,300
Total, District 1 .....	280,500	247,300	232,600	212,750	247,300
<i>District 2</i>					
Clatsop .....	6,600	5,800	5,700	6,100	6,350
Columbia .....	14,900	18,500	17,000	17,600	18,480
Coos .....	16,700	16,700	15,200	17,050	17,100
Curry .....	3,900	4,200	4,550	4,275	3,500
Lincoln .....	8,100	8,500	8,250	8,425	10,420
Tillamook .....	11,600	11,900	12,400	13,000	12,000
Total, District 2 .....	61,800	65,600	63,100	66,450	67,850
<i>District 3</i>					
Douglas .....	28,800	29,800	28,850	24,200	26,600
Jackson .....	38,700	40,000	38,500	42,500	40,300
Josephine .....	14,000	15,200	14,300	16,000	15,600
Total, District 3 .....	81,500	85,000	81,650	82,700	82,500
<i>District 4</i>					
Gilliam .....	6,300	8,900	8,850	9,900	10,950
Hood River .....	4,050	4,450	4,500	4,325	4,900
Morrow .....	14,000	16,700	14,100	15,200	17,450
Sherman .....	8,700	12,600	12,000	13,350	11,100
Umatilla .....	40,000	42,900	39,150	36,265	38,265
Wasco .....	17,600	17,800	21,600	23,700	23,300
Wheeler .....	14,850	17,150	15,500	16,000	16,225
Total, District 4 .....	105,500	120,500	115,700	118,740	122,290
<i>District 5</i>					
Baker .....	77,000	72,600	73,100	69,425	70,125
Malheur .....	87,300	82,700	81,100	79,510	81,910
Union .....	40,800	44,800	44,000	39,415	39,700
Wallowa .....	38,400	40,500	35,900	35,110	37,050
Total, District 5 .....	243,500	240,600	234,100	223,460	228,785
<i>District 6</i>					
Crook .....	31,800	35,200	34,250	33,250	31,500
Deschutes .....	17,500	17,500	17,450	18,000	18,200
Grant .....	45,600	49,200	45,100	52,100	51,550
Harney .....	70,700	92,000	86,000	102,600	102,100
Jefferson .....	5,500	10,600	12,650	13,600	15,225
Klamath .....	56,300	52,000	51,300	55,200	57,200
Lake .....	75,800	71,500	71,100	76,150	80,500
Total, District 6 .....	303,200	328,000	317,850	350,900	356,275
State Total .....	1,076,000	1,087,000	1,045,000	1,055,000	1,105,000

Table 11. ALFALFA CUT FOR HAY: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	3,000	2,400	2,200	1,800	1,400
Clackamas .....	1,750	1,900	1,900	1,600	1,600
Lane .....	7,700	6,800	5,400	4,800	4,400
Linn .....	5,500	4,800	4,000	3,200	2,700
Marion .....	4,500	4,400	4,000	3,500	3,100
Multnomah .....	1,150	1,100	1,300	1,100	1,100
Polk .....	4,200	3,700	3,800	3,400	2,700
Washington .....	3,600	3,300	3,400	3,000	2,700
Yamhill .....	4,700	4,400	4,500	4,200	3,800
Total, District 1 .....	36,100	32,800	30,500	26,600	23,500
<i>District 2</i>					
Clatsop .....	.....	.....	.....	.....	.....
Columbia .....	640	700	700	600	680
Coos .....	1,200	1,250	1,000	850	800
Curry .....	200	200	25	25	.....
Lincoln .....	60	50	25	25	20
Tillamook .....	.....	.....	.....	.....	.....
Total, District 2 .....	2,100	2,200	1,750	1,500	1,500
<i>District 3</i>					
Douglas .....	5,800	5,800	5,600	5,400	6,000
Jackson .....	16,500	15,200	15,000	15,500	14,500
Josephine .....	4,200	4,000	3,500	3,600	3,200
Total, District 3 .....	26,500	25,000	24,100	24,500	23,700
<i>District 4</i>					
Gilliam .....	1,200	1,300	1,600	1,600	1,850
Hood River .....	2,300	2,300	2,300	2,300	2,350
Morrow .....	5,600	5,100	5,300	5,800	6,600
Sherman .....	100	100	150	300	600
Umatilla .....	24,000	26,300	27,000	24,000	24,000
Wasco .....	6,150	7,200	9,500	10,000	11,000
Wheeler .....	4,450	4,700	5,000	5,000	4,800
Total, District 4 .....	43,800	47,000	50,850	49,000	51,200
<i>District 5</i>					
Baker .....	37,000	36,000	37,000	35,000	32,000
Malheur .....	45,400	46,500	45,000	45,000	44,500
Union .....	25,400	26,000	28,000	26,500	23,200
Wallowa .....	14,600	16,500	16,000	14,500	14,000
Total, District 5 .....	122,400	125,000	126,000	121,000	113,700
<i>District 6</i>					
Crook .....	12,750	14,500	15,000	13,500	11,500
Deschutes .....	11,250	11,700	12,000	12,500	10,800
Grant .....	6,800	7,200	7,500	7,000	6,500
Harney .....	5,300	6,000	6,300	6,500	6,500
Jefferson .....	2,100	2,600	2,000	2,400	2,900
Klamath .....	19,000	19,500	20,000	19,000	17,000
Lake .....	5,900	6,500	7,000	7,500	7,200
Total, District 6 .....	63,100	68,000	69,800	68,400	62,400
State Total .....	294,000	300,000	303,000	291,000	276,000

### Grain hay

Approximately three-fourths of the state's grain hay acreage is in eastern Oregon. The peak year in Oregon's acreage of grain hay was 1933 when 355,000 acres were harvested. In 1943, 232,000 acres of wheat, oats, barley, and rye were cut for hay. Some increase

is reported for 1944. Klamath and Grant are the leading counties, each with approximately 8 per cent of the state total, followed by Jefferson, Lake, Umatilla, Wallowa, and Wasco counties, each with approximately 5 per cent of the state total.

Table 12. GRAINS ALONE CUT FOR HAY: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	4,400	3,000	2,500	2,700	3,000
Clackamas .....	7,300	6,000	4,500	5,000	5,000
Lane .....	7,900	5,000	3,800	4,200	6,500
Linn .....	6,500	4,500	4,500	4,500	6,000
Marion .....	5,000	4,200	4,200	5,000	6,000
Multnomah .....	2,400	2,000	2,200	2,500	2,000
Polk .....	2,200	2,000	1,500	2,000	2,500
Washington .....	3,400	3,300	2,500	2,500	5,000
Yamhill .....	3,900	3,000	3,100	3,500	6,000
Total, District 1 .....	43,000	33,000	28,800	31,900	42,000
<i>District 2</i>					
Clatsop .....	1,000	800	500	700	550
Columbia .....	3,500	3,300	2,300	2,500	2,700
Coos .....	3,100	2,400	1,500	2,000	2,500
Curry .....	1,000	700	900	600	500
Lincoln .....	2,550	2,000	1,700	1,800	2,100
Tillamook .....	1,950	1,800	1,400	1,400	1,500
Total, District 2 .....	13,100	11,000	8,300	9,000	9,850
<i>District 3</i>					
Douglas .....	5,000	4,500	4,000	4,500	5,000
Jackson .....	7,500	7,500	5,200	5,500	7,000
Josephine .....	2,400	1,800	1,600	2,000	1,500
Total, District 3 .....	14,900	13,800	10,800	12,000	13,500
<i>District 4</i>					
Gilliam .....	5,100	7,500	7,000	8,000	7,500
Hood River .....	650	600	500	600	650
Morrow .....	3,200	11,300	8,400	9,200	10,000
Sherman .....	8,500	12,300	11,800	13,000	10,000
Umatilla .....	14,000	14,500	10,000	10,500	10,800
Wasco .....	10,750	9,800	11,200	12,500	10,500
Wheeler .....	7,800	9,500	8,300	8,500	9,000
Total, District 4 .....	55,000	65,500	57,200	62,300	58,450
<i>District 5</i>					
Baker .....	5,600	5,000	3,600	3,000	4,500
Malheur .....	6,200	6,000	6,100	5,000	5,500
Union .....	6,300	7,000	5,000	3,000	4,500
Wallowa .....	15,400	15,000	10,500	11,000	10,700
Total, District 5 .....	33,500	33,000	25,200	22,000	25,200
<i>District 6</i>					
Crook .....	9,100	11,500	10,000	10,800	10,500
Deschutes .....	5,000	4,200	3,800	4,000	5,000
Grant .....	13,000	13,200	12,500	15,000	18,000
Harney .....	4,600	5,800	6,200	6,500	8,000
Jefferson .....	3,800	7,700	10,500	11,000	12,000
Klamath .....	19,400	18,000	15,000	16,500	18,500
Lake .....	6,100	7,300	8,700	10,000	11,000
Total, District 6 .....	60,500	67,700	66,700	73,800	83,000
State Total .....	220,000	224,000	197,000	211,000	232,000

**Vetch and pea hay**

Vetch and pea hay is grown predominantly in the Willamette Valley. Marion is the leading county, followed closely by Lane, Clackamas, and Linn. In 1943, total state acreage was estimated at 126,000—18 per cent above 1942, but 12 per cent below the acreage in 1941, 18 per cent below 1940, and 21 per cent below 1939.

Table 13. VETCH OR PEA HAY GROWN ALONE OR WITH SUPPORT CROPS: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	6,200	6,000	5,200	4,000	5,000
Clackamas .....	16,500	14,500	13,500	8,500	14,000
Lane .....	16,000	15,500	15,000	11,500	14,500
Linn .....	16,000	12,500	13,000	9,100	13,500
Marion .....	22,200	21,500	17,000	14,000	15,000
Multnomah .....	2,100	2,500	2,000	1,350	2,100
Polk .....	14,000	11,300	11,000	8,400	8,500
Washington .....	21,500	21,500	17,000	11,500	11,800
Yamhill .....	15,000	13,200	14,100	10,000	9,000
Total, District 1 .....	129,500	118,500	107,800	78,350	93,400
<i>District 2</i>					
Clatsop .....	300	200	325	400	500
Columbia .....	3,000	3,600	3,600	2,600	3,300
Coos .....	3,000	3,300	3,200	2,000	2,400
Curry .....	500	450	375	250	500
Lincoln .....	750	900	900	1,100	1,200
Tillamook .....		50			
Total, District 2 .....	7,550	8,500	8,400	6,350	7,900
<i>District 3</i>					
Douglas .....	13,400	15,200	15,500	9,700	10,000
Jackson .....	5,500	7,300	7,500	8,000	7,700
Josephine .....	2,400	2,700	3,000	3,300	3,400
Total, District 3 .....	21,300	25,200	26,000	21,000	21,100
<i>District 4</i>					
Gilliam .....					
Hood River .....	25	75	75	75	100
Morrow .....	15	25	15		
Sherman .....					
Umatilla .....				15	65
Wasco .....	25		10		
Wheeler .....					
Total, District 4 .....	65	100	100	90	165
<i>District 5</i>					
Baker .....		20		25	125
Malheur .....	35	25		10	10
Union .....		25	50	15	350
Wallowa .....		30		60	150
Total, District 5 .....	35	100	50	110	635
<i>District 6</i>					
Crook .....	25	25	25	50	500
Deschutes .....	525	575	625	680	1,650
Grant .....					
Harney .....					
Jefferson .....				20	50
Klamath .....				300	500
Lake .....				50	100
Total, District 6 .....	550	600	650	1,100	2,800
State Total .....	159,000	153,000	143,000	107,000	126,000

### Clover hay

Clover hay is also predominantly a Willamette Valley crop although considerable acreage is grown in eastern and southern Oregon counties. For the state as a whole, acreage of this hay has been in-

Table 14. CLOVER FOR HAY: ESTIMATED ACREAGE HARVESTED BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	2,000	1,600	1,500	1,900	1,000
Clackamas .....	5,500	7,200	7,000	7,400	10,000
Lane .....	2,600	2,700	2,500	4,000	3,700
Linn .....	4,500	3,700	3,700	4,900	5,200
Marion .....	8,300	7,000	9,500	9,800	11,500
Multnomah .....	2,100	2,700	2,200	3,300	2,500
Polk .....	5,500	3,000	2,500	3,100	3,000
Washington .....	6,200	5,500	10,000	11,000	11,500
Yamhill .....	4,600	3,100	4,000	4,200	6,000
Total, District 1 .....	41,300	36,500	42,900	49,600	54,400
<i>District 2</i>					
Clatsop .....	100	100	75	.....	.....
Columbia .....	2,500	2,700	3,100	3,400	3,100
Coos .....	400	250	500	700	400
Curry .....	100	50	50	.....	.....
Lincoln .....	200	250	125	.....	100
Tillamook .....	100	50	.....	.....	.....
Total, District 2 .....	3,400	3,400	3,850	4,100	3,600
<i>District 3</i>					
Douglas .....	700	800	750	1,400	1,300
Jackson .....	4,500	4,000	3,000	5,000	4,600
Josephine .....	3,000	4,200	4,000	5,200	5,000
Total, District 3 .....	8,200	9,000	7,750	11,600	10,900
<i>District 4</i>					
Gilliam .....	.....	.....	.....	50	.....
Hood River .....	500	550	625	750	600
Morrow .....	160	200	235	100	250
Sherman .....	.....	.....	.....	.....	.....
Umatilla .....	300	400	350	150	200
Wasco .....	30	50	40	200	300
Wheeler .....	10	.....	.....	.....	25
Total, District 4 .....	1,000	1,200	1,250	1,250	1,375
<i>District 5</i>					
Baker .....	1,500	1,580	2,500	3,400	3,500
Malheur .....	11,000	8,175	5,000	3,000	2,900
Union .....	1,000	1,275	1,150	900	650
Wallowa .....	300	470	600	550	700
Total, District 5 .....	13,800	11,500	9,250	7,850	7,750
<i>District 6</i>					
Crook .....	300	175	225	400	500
Deschutes .....	400	525	625	400	350
Grant .....	100	100	100	100	50
Harney .....	500	700	500	600	600
Jefferson .....	35	100	50	100	75
Klamath .....	800	1,300	1,100	1,400	1,200
Lake .....	165	500	400	600	200
Total, District 6 .....	2,300	3,400	3,000	3,600	2,975
State Total .....	70,000	65,000	68,000	78,000	81,000

creasing for the past 3 years. In 1943, acreages in District 1 and District 4 increased nearly 10 per cent over 1942, while declines were reported in all other districts.

### Grass hay

Grass hay is important in the agriculture of Oregon, especially in eastern Oregon where it supplies much of the roughage fed to live-

Table 15. ALL GRASS HAY (INCLUDING WILD) ALONE OR MIXED WITH CLOVERS: ESTIMATED ACREAGE HARVESTED, BY COUNTIES, OREGON, 1939-1943

District and county	1939	1940	1941	1942	1943
<i>District 1</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>
Benton .....	1,900	2,200	1,600	2,350	1,800
Clackamas .....	3,250	2,700	3,100	3,000	3,000
Lane .....	7,200	6,200	5,800	7,500	8,100
Linn .....	4,800	4,500	3,500	4,800	7,000
Marion .....	3,100	2,700	2,500	2,200	3,300
Multnomah .....	3,450	1,700	1,300	1,750	2,800
Polk .....	2,200	2,000	1,500	1,600	2,000
Washington .....	2,500	2,500	1,800	2,000	3,500
Yamhill .....	2,200	2,000	1,500	1,100	2,500
Total, District 1 .....	30,600	26,500	22,600	26,300	34,000
<i>District 2</i>					
Clatsop .....	5,200	4,700	4,800	5,000	5,300
Columbia .....	5,260	8,200	7,300	8,500	8,700
Coos .....	9,000	9,500	9,000	11,500	11,000
Curry .....	2,100	2,800	3,200	3,400	2,500
Lincoln .....	4,540	5,300	5,500	5,500	7,000
Tillamook .....	9,550	10,000	11,000	11,600	10,500
Total, District 2 .....	35,650	40,500	40,800	45,500	45,000
<i>District 3</i>					
Douglas .....	3,900	3,500	3,000	3,200	4,300
Jackson .....	4,700	6,000	7,800	8,500	6,500
Josephine .....	2,000	2,500	2,200	1,900	2,500
Total, District 3 .....	10,600	12,000	13,000	13,600	13,300
<i>District 4</i>					
Gilliam .....		100	250	250	1,600
Hood River .....	575	925	1,000	600	1,200
Morrow .....	25	75	150	100	600
Sherman .....	100	200	50	50	500
Umatilla .....	1,700	1,700	1,800	1,600	3,200
Wasco .....	645	750	850	1,000	1,500
Wheeler .....	2,590	2,950	2,200	2,500	2,500
Total, District 4 .....	5,635	6,700	6,300	6,100	11,100
<i>District 5</i>					
Baker .....	32,900	30,000	30,000	28,000	30,000
Malheur .....	24,665	22,000	25,000	26,500	29,000
Union .....	8,100	10,500	9,800	9,000	11,000
Wallowa .....	8,100	8,500	8,800	9,000	11,500
Total, District 5 .....	73,765	71,000	73,600	72,500	81,500
<i>District 6</i>					
Crook .....	9,625	9,000	9,000	8,500	8,500
Deschutes .....	325	500	400	420	400
Grant .....	25,700	28,700	25,000	30,000	27,000
Harney .....	60,800	79,500	73,000	89,000	87,000
Jefferson .....	65	200	100	80	200
Klamath .....	17,100	13,200	15,200	18,000	20,000
Lake .....	63,635	57,200	55,000	58,000	62,000
Total, District 6 .....	176,750	188,300	177,700	204,000	205,100
State Total .....	333,000	345,000	334,000	368,000	390,000

stock. Although a decline occurred in the state acreage from 1940 to 1941, more recent years show increases. District 6 accounts for more than 50 per cent of the state acreage. In 1939, Lake was the most important grass hay producing county, but in 1940 gave way to Harney County, which has maintained the lead since that time. In 1943, Harney had about 22 per cent of the state acreage, followed by Lake with about 16 per cent. The next most important county was Baker with approximately 8 per cent of the state total. See Table 15 for trends of acreages by counties and districts annually from 1939 to 1943.

### **Oregon agricultural statistics yearbooks**

Oregon farm commodity statistical yearbooks giving data on acreage, production, price, and value of farm marketings on 12 groups of farm products are prepared cooperatively by the Oregon State College Extension Service, Agricultural Economics Section, at Corvallis, and the Division of Agricultural Statistics, Bureau of Agricultural Economics, United States Department of Agriculture, 306 U. S. Court House, Portland. These become available from county agricultural agents or from the sources indicated as rapidly as it is possible to complete and publish the data.

The twelve groups of farm products are as follows: SPECIALTY HORTICULTURAL CROPS, SMALL FRUIT CROPS, TREE FRUIT AND NUT CROPS, MISCELLANEOUS SPECIALTY CROPS, FORAGE SEED CROPS, GRAIN AND HAY CROPS, POTATOES AND TRUCK CROPS, FARM FOREST PRODUCTS, MISCELLANEOUS ANIMAL INDUSTRIES, POULTRY AND EGGS, THE DAIRY INDUSTRY, PRINCIPAL ANIMAL INDUSTRIES.