

WHEAT VARIETIES

1980



Economics, Statistics, and
Cooperatives Service—USDA

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WINALTA TOP WINTER WHEAT VARIETY: Winalta continues to be the most popular variety of winter wheat seeded in Montana. An estimated 683,800 acres or 26.3 percent of the State's acreage was seeded to this variety in 1980. Winalta is a high-quality milling and baking wheat, with moderate winter hardiness.

Cheyenne replaced Centurk as the second most popular variety, with an estimated 656,000 acres seeded. The Cheyenne variety produces a strong gluten flour but lacks the loaf volume and texture of Winalta.

Centurk slipped to third, with 641,100 acres or 24.7 percent of the State's acreage. Centurk is a variety of medium height and straw length which resists shattering.

Warrior placed fourth in popularity, with 5.8 percent of the acreage or 150,300 acres planted to this variety. It is a mid-tall, stiff-strawed variety which is moderately resistant to lodging and shattering. Its milling qualities are comparable to those of Winalta.

FORTUNA REMAINS TOP SPRING WHEAT VARIETY: Farmers planted 656,000 acres of Fortuna, making it the Number 1 spring wheat variety. Fortuna is a beardless, solid-stem variety which resists sawfly. It is a high yielding variety, with satisfactory milling qualities, but some weakness in baking quality.

Olaf was the second most popular variety, with 17.1 percent of the acreage seeded. Olaf is a semi-dwarf, rust-resistant variety, with good test weight.

Prodax remained in third place, with 309,800 acres or 10.7 percent of the total spring wheat planted. Lew replaced Tioga as the fourth most popular variety, with 293,600 acres seeded.

WARD MOST POPULAR DURUM WHEAT VARIETY: Ward replaced Rolette as the leading variety of durum wheat seeded in Montana. An estimated 153,400 acres or 36.5 percent of the durum wheat planted was Ward.

Cando was in second place, with 73,600 acres seeded as Rolette slipped to third place, with 59,500 acres. The fourth most popular variety was Crosby which accounted for 56,500 acres or 13.5 percent of the durum wheat planted.

These data are based upon a sample survey of grain producers who report varieties seeded. Variety data by county are based upon the percent of each variety reported. Data for minor varieties and minor counties are subject to more variation than major varieties and major counties.

MONTANA WHEAT VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1976 - 1980
1979 REVISED AND 1980 PRELIMINARY SEEDED ACRES

Class and Variety	Percent of Total Seeded Acreage					Seeded Acres	
	1976	1977	1978	1979	1980	1979 Revised	1980 Preliminary
	----- Percent -----						
<u>WINTER WHEAT</u>							
Winalta	35.3	31.1	29.1	27.7	26.3	830,900	683,800
Cheyenne	30.0	23.0	26.2	23.5	25.2	705,400	656,000
Centurk	12.0	25.7	28.1	27.1	24.7	811,900	641,100
Warrior	6.1	3.9	3.2	4.6	5.8	138,100	150,300
Rough Rider	--	--	--	2.6	4.1	78,100	106,800
Norstar	--	--	--	--	2.3	--	60,700
Winoka	3.5	3.3	3.2	3.4	2.2	100,200	58,900
Nugaines	.7	.8	.5	1.1	1.2	33,500	31,500
Gent	--	--	--	.5	.9	13,700	24,300
Sundance	2.6	2.5	2.4	1.7	.8	51,900	19,600
Lancer	.6	1.3	.4	.5	.7	16,300	16,900
Itana	--	--	--	--	.6	--	16,000
Other & unknown	9.2	8.4	6.9	7.3	5.2	220,000	134,100
TOTAL	100.0	100.0	100.0	100.0	100.0	3,000,000	2,600,000
<u>SPRING WHEAT EXCLUDING DURUM</u>							
Fortuna	35.2	34.1	21.6	23.4	22.6	620,700	656,000
Olaf	26.0	24.1	22.8	17.1	17.1	453,100	496,500
Prodax	1.1	6.3	9.0	9.9	10.7	262,900	309,800
Lew	--	1.4	3.8	5.2	10.1	138,600	293,600
Newana	--	--	1.0	5.8	7.6	153,400	220,100
Tioga	6.1	7.9	8.9	8.5	6.2	225,700	179,900
Thatcher	8.1	4.4	6.8	3.3	3.4	86,500	99,300
Butte	--	--	--	4.5	3.4	119,200	99,100
Wared	1.0	4.9	6.1	4.7	2.6	116,100	75,900
Norana	8.2	3.4	3.4	3.2	2.6	83,600	73,800
Red River 68	2.4	1.1	5.5	3.0	1.5	79,500	43,100
Bounty 309	--	--	--	1.2	.6	32,700	15,800
Other & unknown	11.9	12.4	11.1	10.2	11.6	278,000	337,100
TOTAL	100.0	100.0	100.0	100.0	100.0	2,650,000	2,900,000

WINIEK WHEAT: SEEDED ACREAGE BY VARIETIES, DISTRICT AND SELECTED COUNTIES - MONTANA 1980														
Dist. & Co.	Win- alta	Chey- enne	Centurk	War- rior	Rough Rider	Nor- star	Win- oka	Nu- gaines	Gent	Sun- dance	Lancer	Itana	Other & Unknown	TOTAL
N. WEST	1.9	.4	--	--	--	--	--	11.1	--	--	--	--	11.7	25.1
Blaine	54.7	48.5	--	--	4.3	34.1	6.9	1.5	--	--	--	--	--	150.0
Chouteau	31.5	118.9	139.8	41.4	--	--	--	--	--	--	8.8	--	8.3	348.7
Glacier	11.9	--	.7	--	--	--	--	--	--	--	--	--	5.9	18.5
Hill	134.3	92.6	50.0	39.4	.3	7.1	14.0	--	--	3.1	--	--	4.3	345.1
Liberty	45.6	9.9	52.2	--	1.4	2.7	--	--	--	--	--	--	21.4	133.2
Phillips	17.2	5.4	7.7	1.4	--	--	.7	--	--	--	--	--	8.8	41.2
Pondera	22.0	10.2	44.4	.4	--	4.5	19.0	--	--	--	--	--	.1	100.6
Teton	3.7	28.2	44.5	2.6	--	1.6	5.0	--	--	--	--	--	3.6	89.2
Toole	69.9	--	40.7	--	--	4.9	--	--	--	--	--	--	--	115.5
N. CENTRAL	390.8	313.7	380.0	85.2	6.0	54.9	45.6	1.5	--	3.1	8.8	--	52.4	1,342.0
Dawson	14.8	--	--	--	36.2	--	--	--	--	--	--	--	--	51.0
Garfield	4.1	12.7	--	1.9	3.8	--	--	--	--	--	--	--	--	22.5
McCone	64.7	--	--	--	--	--	--	--	--	--	--	--	--	64.7
Richland	16.3	--	--	3.2	11.6	--	--	--	--	--	--	--	--	31.1
Roosevelt	7.9	--	--	--	5.0	--	.2	--	--	--	--	--	--	13.1
Valley	8.8	1.1	--	.5	5.6	--	.2	--	--	--	--	--	--	16.2
Other	1.8	.1	--	.1	1.2	--	--	--	--	--	--	--	.2	3.4
N. EAST	118.4	13.9	--	5.7	63.4	--	.4	--	--	--	--	--	.2	202.0
Cascade	1.4	44.8	65.2	2.8	--	1.9	--	--	--	--	3.6	--	7.4	127.1
Fergus	4.4	63.7	18.8	1.9	--	3.6	5.7	--	4.3	16.2	4.4	8.1	18.4	149.5
Golden Valley	--	9.8	2.5	--	--	--	--	4.8	--	--	--	--	4.9	22.0
Judith Basin	3.6	31.8	32.3	--	2.5	.3	--	--	--	--	--	--	1.0	71.5
Other	31.1	26.3	14.5	1.1	.1	--	.1	--	--	.3	.1	--	4.1	77.7
CENTRAL	40.5	176.4	133.3	5.8	2.6	5.8	5.8	4.8	4.3	16.5	8.1	8.1	35.8	447.8
Gallatin	10.0	.5	3.5	--	--	--	--	11.9	--	--	--	--	10.4	36.3
Other	1.8	6.3	.7	--	--	--	--	2.2	--	--	--	--	3.7	14.7
S. WEST	11.8	6.8	4.2	--	--	--	--	14.1	--	--	--	--	14.1	51.0
Big Horn	--	21.2	--	42.3	--	--	--	--	--	--	--	--	7.1	70.6
Carbon	2.4	6.0	3.8	1.3	--	--	.7	--	--	--	--	--	.1	14.3
Park	4.5	1.7	7.8	--	--	--	--	--	--	--	--	--	--	14.0
Stillwater	10.6	--	28.5	--	--	--	--	20.0	--	--	--	--	--	59.1
Yellowstone	--	65.4	15.5	--	--	--	--	--	--	--	--	7.9	.4	89.2
Other	.1	4.8	.1	4.9	--	--	--	--	--	--	--	--	1.9	11.8
S. CENTRAL	17.6	99.1	55.7	48.5	--	--	.7	--	20.0	--	--	7.9	9.5	259.0
Carter	18.4	--	--	--	27.6	--	--	--	--	--	--	--	--	46.0
Custer	1.1	5.5	25.8	1.5	.4	--	--	--	--	--	--	--	1.1	35.4
Fallon	33.9	--	--	--	6.8	--	--	--	--	--	--	--	--	40.7
Powder River	3.4	18.0	18.6	--	--	--	--	--	--	--	--	--	.4	40.4
Prairie	39.6	--	23.5	1.0	--	--	--	--	--	--	--	--	--	64.1
Rosebud	--	22.2	--	2.6	--	--	--	--	--	--	--	--	--	33.7
Wibaux	6.4	--	--	--	--	--	6.4	--	--	--	--	--	8.9	12.8
S. EAST	102.8	45.7	67.9	5.1	34.8	--	6.4	--	--	--	--	--	10.4	273.1
STATE	683.8	656.0	641.1	150.3	106.8	60.7	58.9	31.5	24.3	19.6	16.9	16.0	134.1	2,600.0

SPRING WHEAT (EXCLUDING DURUM)
SEEDED ACREAGE BY VARIETIES, DISTRICT & SELECTED COUNTIES - MONTANA 1980

District and County	Fortuna	Olaf	Pro-dax	Lew	New-ana	Tioga	Thatcher	Butte	Ward	Nor-ana	Red River 68	Bounty 309	Other and Unknown	TOTAL
N. WEST	.1	--	.5	--	2.0	--	--	--	--	--	--	--	12.9	15.5
Blaine	22.0	3.2	--	--	53.9	15.6	--	--	--	--	--	--	--	94.7
Chouteau	107.9	2.2	--	34.4	4.2	--	6.4	2.2	25.8	14.2	--	--	6.9	204.2
Giacier	46.8	--	5.4	14.2	2.7	--	--	5.0	--	--	--	--	38.4	112.5
Hill	79.3	10.1	18.2	81.1	43.6	--	5.0	--	--	15.7	--	13.0	9.7	275.7
Liberty	36.9	--	60.1	18.8	--	--	--	--	6.9	9.3	--	--	.8	132.8
Phillips	5.7	25.9	24.1	.3	--	27.5	10.9	--	5.0	--	--	2.3	1.8	103.5
Pondera	21.8	1.3	3.9	4.8	2.3	--	--	--	11.7	--	--	--	2.0	47.8
Teton	35.5	14.3	1.5	1.0	--	--	--	--	--	6.5	--	--	.3	59.1
Tooie	76.6	14.0	63.9	.4	6.6	4.8	--	--	--	--	--	--	--	166.3
N. CENTRAL	432.5	71.0	177.1	155.0	113.3	47.9	22.3	7.2	49.4	45.7	--	15.3	59.9	1,196.6
Daniels	65.0	15.0	18.4	29.8	--	20.0	--	17.6	--	5.2	20.4	.5	38.4	230.3
Dawson	3.6	71.6	10.7	--	25.8	--	5.9	9.7	--	--	--	--	9.3	136.6
Garfield	22.7	19.8	--	--	--	--	--	--	--	--	--	--	1.7	44.2
McCone	11.2	60.8	20.0	.9	--	3.0	19.2	--	--	--	--	--	3.1	118.2
Richland	--	47.8	--	8.7	19.9	--	--	--	18.8	--	--	--	19.8	115.0
Roosevelt	32.6	99.8	15.1	87.1	--	--	22.1	--	--	--	5.8	--	14.3	276.8
Sheridan	--	22.3	27.9	4.0	--	11.7	--	.5	--	--	16.9	--	35.9	119.2
Valley	35.0	57.0	12.8	--	--	97.3	29.8	59.9	--	--	--	--	10.0	301.8
N. EAST	170.1	394.1	104.9	130.5	45.7	132.0	77.0	87.7	18.8	5.2	43.1	.5	132.5	1,342.1
Cascade	2.6	8.6	2.3	--	31.5	--	--	--	5.2	8.3	--	--	10.2	68.7
Fergus	12.8	--	11.7	5.7	11.4	--	--	--	--	--	--	--	3.8	45.4
Judith Basin	8.2	--	--	--	1.9	--	--	--	--	--	--	--	18.7	28.8
Other	16.7	.4	4.6	.1	4.6	--	--	.1	--	5.1	--	--	28.6	60.2
CENTRAL	40.3	9.0	18.6	5.8	49.4	--	--	.1	5.2	13.4	--	--	61.3	203.1
S. WEST	2.4	--	4.2	--	3.2	--	--	--	--	.9	--	--	1.0	11.7
S. CENTRAL	5.3	--	3.5	1.9	4.2	--	--	--	--	--	--	--	25.5	40.4
Fallon	.3	21.2	--	--	--	--	--	--	--	4.6	--	--	6.0	32.1
Wibaux	1.4	--	--	.4	.6	--	--	--	2.5	--	--	--	24.0	28.9
Other	3.6	1.2	1.0	--	1.7	--	--	4.1	--	4.0	--	--	14.0	29.6
S. EAST	5.3	22.4	1.0	.4	2.3	--	--	4.1	2.5	8.6	--	--	44.0	90.6
STATE	656.0	496.5	309.8	293.6	220.1	179.9	99.3	99.1	75.9	73.8	43.1	15.8	337.1	2,900.0

MONTANA WHEAT VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE--1976 - 1980
1979 REVISED AND 1980 PRELIMINARY SEEDED ACRES

Class and Variety	Percent of Total Seeded Acreage					Seeded Acres	
	1976	1977	1978	1979	1980	1979	1980
	----- Percent -----					Revised	Preliminary
DURUM WHEAT							
Ward	16.0	25.5	30.8	18.4	36.5	61,600	153,400
Cando	--	--	7.2	17.7	17.5	59,300	73,600
Rollette	--	--	3.4	18.5	14.2	62,000	59,500
Crosby	2.9	16.1	19.2	12.2	13.5	40,900	56,500
Wells	38.4	21.5	5.7	18.3	12.2	61,300	51,400
Wascana	--	--	--	--	1.3	--	5,300
Leeds	--	--	--	--	1.1	--	4,700
Other & unknown	42.7	36.9	33.7	14.9	3.7	49,900	15,600
TOTAL	100.0	100.0	100.0	100.0	100.0	335,000	420,000

**DURUM WHEAT
SEEDED ACREAGE BY VARIETIES, DISTRICTS AND SELECTED COUNTIES--MONTANA 1980**

District & County	Ward	Cando	Roll-ette	Crosby	Wells	Wascana	Leeds	Other and Unknown	TOTAL
N. CENTRAL	26.4	--	18.6	--	--	1.2	4.7	6.1	57.0
Sheridan	91.7	71.8	20.8	50.0	41.3	--	--	.6	276.2
Other	34.8	.4	19.8	6.2	9.9	4.1	--	.2	75.4
N. East	126.5	72.2	40.6	56.2	51.2	4.1	--	.8	351.6
All other Counties	.5	1.4	.3	.3	.2	--	--	8.7	11.4
STATE	153.4	73.6	59.5	56.5	51.4	5.3	4.7	15.6	420.0

The tables in this report give varietal breakdowns of wheat by classes, with comparisons. Counties for which data are published were selected mainly because of their importance in production. Acreages shown are estimates of seeded acreage.

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