

WHEAT VARIETIES

1979



Economics, Statistics, and
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WINALTA TOP WINTER WHEAT VARIETY: For over a decade, Montana wheat farmers have chosen Winalta as their favorite winter wheat variety. An estimated 830,900 acres or 27.7 percent of the State's acreage was seeded to this variety in 1979. Winalta is a high-quality milling and baking wheat, with moderate winter hardiness.

Continuing a 5-year rise Centurk placed second in number of acres planted--only 19,000 acres less than Winalta. This variety has medium height and straw strength. It resists shattering and has good baking quality.

Cheyenne remained in third place, with 705,400 acres or 23.5 percent of the acreage. Cheyenne is an older variety, mid-tall, weak strawed and bearded. It produces a strong gluten flour but lacks loaf volume and texture of Winalta.

Warrior placed fourth in popularity, with 4.6 percent of the acreage or 138,100 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 RETURNS AS TOP SPRING WHEAT VARIETY: Farmers planted 620,700 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 planted. Olaf is a semi-dwarf, rust-resistant variety, with good test weight.

Prodax remained in third place, with 262,900 acres or 9.9 percent of the total spring wheat planted. Tioga held on to fourth place, with 225,700 acres planted.

ROLETTE MOST POPULAR DURUM WHEAT VARIETY: Rolette just edged out Ward to become the leading variety of durum wheat. An estimated 50,900 acres or 18.5 percent of the durum wheat planted was Rolette.

Ward was in second place, with 50,600 acres and right behind in third place was Wells with 50,300 acres. The fourth most popular variety was Cando, which accounted for 48,800 acres or 17.7 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.

WINTER WHEAT: SEEDED ACREAGE BY VARIETIES, DISTRICTS AND SELECTED COUNTIES - MONTANA 1979

Dist. & Co.	Win- alta	Gen- turk	Chey- anne	War- rior	Win- oka	Rough Rider	Sun- dance	Nu- gaines	Trap- per	Lan- cer	Gent	Man- ser	Other & Unknown	TOTAL
N. WEST	--	--	.9	--	--	--	1.3	10.4	--	--	--	--	17.4	30.0
Blaine	53.1	12.0	15.9	10.0	11.3	--	10.0	--	--	--	--	--	--	112.3
Chouteau	39.5	198.2	184.3	13.9	1.8	--	--	3.9	17.9	--	--	--	10.3	469.8
Glacier	35.4	--	--	--	--	--	--	--	--	--	--	--	3.8	39.2
Hill	196.6	60.1	111.7	21.3	30.2	--	22.3	--	--	--	--	--	.3	442.5
Liberty	49.9	87.6	22.2	8.6	15.0	--	--	--	--	--	--	5.3	--	188.9
Phillips	50.4	--	2.6	--	10.0	--	--	--	--	--	--	--	--	63.0
Pondera	14.7	66.6	17.3	.2	9.0	--	--	7.2	--	--	--	--	10.9	125.9
Teton	23.3	55.4	50.7	--	7.5	--	--	--	--	15.0	--	.5	.5	137.9
Toole	77.5	25.0	5.0	--	--	--	--	--	--	15.0	--	--	--	122.5
N. CENTRAL	540.4	504.9	409.7	54.0	84.8	.3	32.3	11.1	17.9	15.0	--	5.8	25.8	1,702.0
Dawson	25.2	--	--	--	--	7.9	--	.5	--	--	--	--	40.9	74.5
Garfield	32.3	3.2	--	--	--	.9	--	--	.2	--	--	--	--	36.6
McCone	82.4	2.5	--	--	4.2	1.0	5.2	--	--	--	--	--	.1	95.4
Richland	9.9	--	--	--	2.8	32.3	--	--	--	--	--	--	--	45.0
Roosevelt	11.6	--	--	--	--	--	--	--	--	--	--	--	4.8	16.4
Valley	5.8	--	5.8	--	2.2	5.2	--	--	--	--	--	--	2.5	21.5
Other	.6	--	--	--	--	.2	--	--	--	--	--	--	7.8	8.6
N. EAST	167.8	5.7	5.8	--	9.2	47.5	5.2	.5	.2	--	--	--	56.1	298.0
Cascade	1.6	55.9	40.1	6.2	--	--	--	6.0	--	--	--	1.0	3.4	114.2
Fergus	2.2	62.3	36.9	1.6	2.2	--	13.1	--	--	--	--	--	5.7	129.2
Golden Valley	--	--	12.2	--	2.3	--	--	2.3	--	--	--	--	.9	19.8
Judith Basin	3.2	38.1	16.1	--	--	2.7	--	--	.7	--	--	--	--	60.8
Other	10.6	24.5	15.6	--	--	--	--	--	--	--	--	--	20.3	71.0
CENTRAL	17.6	180.8	120.9	7.8	4.5	2.7	13.1	8.3	.7	--	7.3	1.0	30.3	395.0
Gallatin	5.9	11.3	8.8	--	--	--	--	3.2	--	--	--	--	11.0	40.2
Other	4.1	6.4	--	--	--	--	--	--	--	--	--	--	4.3	14.8
S. WEST	10.0	17.7	8.8	--	--	--	--	3.2	--	--	--	--	15.3	55.0
Big Horn	--	10.3	36.1	25.0	--	--	--	--	--	--	--	--	8.0	79.4
Carbon	1.6	5.0	10.2	--	--	--	--	--	--	--	--	--	2.2	19.0
Park	2.1	8.2	--	1.9	--	--	--	--	--	--	--	--	.9	13.1
Stillwater	4.4	42.1	8.0	5.0	--	--	--	--	--	--	5.0	--	2.7	67.2
Yellowstone	1.9	15.5	55.9	12.9	--	--	--	--	--	--	--	--	13.4	99.6
Other	--	--	6.7	4.7	--	--	--	--	--	--	1.4	--	.9	13.7
S. CENTRAL	10.0	81.1	116.9	49.5	--	--	--	--	--	--	6.4	--	28.1	292.0
Carter	17.0	--	--	--	--	15.3	--	--	--	--	--	--	4.9	37.2
Custer	30.5	1.7	10.4	--	--	--	--	--	--	--	--	--	--	42.6
Fallon	31.5	--	--	--	--	4.1	--	--	--	--	--	--	1.3	36.9
Powder River	--	10.5	10.2	--	--	--	--	--	--	1.3	--	--	8.0	30.0
Prairie	4.7	--	2.7	26.8	--	--	--	--	--	--	--	--	6.2	40.4
Rosebud	--	9.5	19.1	--	--	--	--	--	--	--	--	--	1.0	29.6
Wibaux	1.4	--	--	--	1.7	8.2	--	--	--	--	--	--	--	11.3
S. EAST	85.1	21.7	42.4	26.8	1.7	27.6	--	--	--	1.3	--	--	21.4	228.0
STATE	830.9	811.9	705.4	138.1	100.2	78.1	51.9	33.5	18.8	16.3	13.7	6.8	194.4	3,000.0

MONTANA WHEAT VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE 1975 - 1979
1978 REVISED AND 1979 PRELIMINARY SEEDED ACRES

Class and Variety	Percent of Total Seeded Acreage					Seeded Acres	
	1975	1976	1977	1978	1979	1978	1979
	----- Percent -----					Revised	Preliminary
WINTER WHEAT							
Winalta	34.0	35.3	31.1	29.1	27.7	844,500	830,900
Centurk	3.5	12.0	25.7	28.1	27.1	814,100	811,900
Cheyenne	33.7	30.0	23.0	26.2	23.5	759,500	705,400
Warrior	5.8	6.1	3.9	3.2	4.6	93,600	138,100
Winoka	7.5	3.5	3.3	3.2	3.4	92,900	100,200
Rough Rider	--	--	--	--	2.6	---	78,100
Sundance	1.7	2.6	2.5	2.4	1.7	69,900	51,900
Nugaines	.5	.7	.8	.5	1.1	13,400	33,500
Trapper	3.5	2.4	2.0	.7	.6	20,300	18,800
Lancer	1.3	.6	1.3	.4	.5	12,200	16,300
Gent	--	--	--	--	.5	---	13,700
Wanser	.6	.4	.4	.2	.2	7,200	6,800
Other & unknown	7.9	6.4	6.0	6.0	6.5	172,400	194,400
TOTAL	100.0	100.0	100.0	100.0	100.0	2,900,000	3,000,000
SPRING WHEAT EXCLUDING DURUM							
Fortuna	48.4	35.2	34.1	21.6	23.4	409,500	620,700
Olaf	8.0	26.0	24.1	22.8	17.1	433,300	453,100
Prodax	--	1.1	6.3	9.0	9.9	171,100	262,900
Tioga	.9	6.1	7.9	8.9	8.5	169,000	225,700
Newana	--	--	--	1.0	5.8	19,100	153,400
Lew	--	--	1.4	3.8	5.2	73,100	138,600
Wared	.2	1.0	4.9	6.1	4.7	116,100	124,800
Butte	--	--	--	--	4.5	---	119,200
Thatcher	9.0	8.1	4.4	6.8	3.3	129,100	86,500
Norana	2.5	8.2	3.4	3.4	3.2	64,400	83,600
Red River 68	4.3	2.4	1.1	5.5	3.0	105,200	79,500
Canthatch	--	--	--	--	1.3	---	33,200
Bounty 309	--	--	--	--	1.2	---	32,700
Other & unknown	26.7	11.9	12.4	11.1	8.9	210,100	236,100
TOTAL	100.0	100.0	100.0	100.0	100.0	1,900,000	2,650,000

SPRING WHEAT (EXCLUDING DURUM)
 SEEDED ACREAGE BY VARIETIES, DISTRICTS & SELECTED COUNTIES - MONTANA 1979

District & County	For- tuna	Olaf	Pro- dax	Tioga	New- ana	Lew	Wared	Butte	That- cher	Nör- ana	Red River 68	Can- thatch	Bounty 309	Other and Unknown	TOTAL
N. WEST	.1	..	..	..	..	..	..	..	..	..	..	..	..	9.4	11.0
Blaine	17.7	7.7	..	8.0	24.7	..	..	..	..	..	..	..	27.7	1.3	87.1
Chouteau	31.5	.5	3.9	..	1.7	2.4	4.8	..	..	.6	..	..	..	7.1	52.5
Glacier	55.1	..	..	..	21.7	7.8	3.7	1.0	..	14.7	..	..	..	..	104.0
Hill	93.4	4.0	..	..	..	4.0	..	..	4.7	19.4	..	..	5.0	3.5	157.4
Liberty	33.9	..	23.4	..	..	16.9	21.2	..	..	12.4	..	..	..	7.4	113.8
Phillips	..	29.1	..	25.2	..	2.3	11.7	..	23.3	10.1	..	..	..	18.3	120.0
Pondera	11.5	..	13.3	..	..	5.9	.6	..	..	..	..	..	..	2.4	33.8
Teton	26.9	1.7	3.5	..	..	..	..	..	..	..	..	..	..	3.5	35.6
Toole	164.4	..	4.6	..	..	.5	10.2	..	5.1	..	..	..	..	..	184.8
N. CENTRAL	434.4	43.0	70.7	33.2	48.2	39.8	52.2	1.0	33.1	57.2	..	..	32.7	43.5	889.0
Daniels	39.6	22.4	..	79.5	..	41.9	..	27.9	..	6.3	56.3	..	..	2.5	276.4
Dawson	2.3	37.7	3.4	..	10.7	..	12.7	7.7	2.8	..	..	3.9	..	12.8	94.0
Garfield	..	15.0	..	..	22.6	..	..	..	..	..	..	..	..	..	37.6
McCone	..	57.1	23.9	12.2	5.3	2.4	..	..	..	..	..	..	..	3.3	104.2
Ritchland	..	86.4	1.2	..	..	1.7	1.6	12.1	18.2	..	..	..	..	9.0	130.2
Roosevelt	8.4	98.5	68.8	27.6	10.0	11.5	..	28.1	16.3	..	8.4	19.0	..	10.2	306.8
Shelidan	1.9	13.8	9.4	14.6	..	28.2	27.9	.5	..	..	7.1	4.7	..	30.8	138.9
Valley	70.3	30.2	74.6	58.6	45.4	12.8	..	39.6	15.0	..	..	..	..	12.5	359.0
N. EAST	122.5	361.1	181.3	192.5	94.0	98.5	42.2	115.9	52.3	6.3	71.8	27.6	..	81.1	1,447.1
Cascade	1.2	12.4	..	..	..	..	11.4	..	..	3.4	..	..	..	7.5	35.9
Fergus	14.1	..	1.7	..	2.9	..	1.0	..	1.0	..	..	..	..	3.3	24.0
Judith Basin	6.1	..	..	..	..	..	..	..	..	..	..	4.8	..	3.0	14.0
Other	..	..	..	..	2.4	..	..	..	..	9.9	..	..	..	17.7	30.0
CENTRAL	21.4	12.4	1.7	..	5.4	..	12.4	..	1.0	13.3	..	4.8	..	31.5	103.9
S. WEST	3.8	..	7.4	..	3.8	..	..	..	..	..	..	.8	..	15.2	31.0
S. CENTRAL	5.3	..	..	..	..	.3	.2	..	..	.7	..	..	..	23.5	30.0
Fallon	11.2	36.1	..	..	..	..	..	2.3	..	3.8	..	..	..	..	53.4
Wibaux	3.1	..	..	..	..	..	17.8	..	..	..	7.7	..	..	23.0	51.6
Other	18.9	.5	1.8	..	1.2	..	..	..	.1	1.6	..	..	..	8.9	33.0
S. EAST	33.2	36.6	1.8	..	1.2	..	17.8	2.3	.1	5.4	7.7	..	..	31.9	138.0
STATE	620.7	453.1	262.9	225.7	153.4	138.6	124.8	119.2	86.5	83.6	79.5	33.2	32.7	236.1	2,650.0

MONTANA WHEAT VARIETIES: PERCENT OF TOTAL SEEDED ACREAGE--1975 - 1979
1978 REVISED AND 1979 PRELIMINARY SEEDED ACRES

Class and Variety	Percent of Total Seeded Acreage					Seeded Acres	
	1975	1976	1977	1978	1979	1978 Revised	1979 Preliminary
<u>DURUM WHEAT</u>							
Rolette	--	--	--	3.4	18.5	10,200	50,900
Ward	14.1	16.0	25.5	30.8	18.4	92,500	50,600
Wells	39.6	38.4	21.5	5.7	18.3	17,200	50,300
Cando	--	--	--	7.2	17.7	21,700	48,800
Crosby	.9	2.9	16.1	19.2	12.2	57,500	33,500
Edmore	--	--	--	--	.9	---	2,600
Calvin	--	--	--	--	.5	---	1,300
Other & unknown	45.4	42.7	36.9	33.7	13.5	100,900	37,000
TOTAL	100.0	100.0	100.0	100.0	100.0	300,000	275,000

DURUM WHEAT
SEEDED ACREAGES BY VARIETIES, DISTRICTS AND SELECTED COUNTIES - MONTANA 1979

District & County	Rolette	Ward	Wells	Cando	Crosby	Edmore	Calvin	Other and Unknown	TOTAL
----- Thousand acres -----									
N. CENTRAL	14.0	17.4	.9	.1	--	--	--	6.4	38.8
Sheridan	21.8	24.2	38.4	48.7	33.5	2.6	1.3	1.6	172.1
Other	15.0	9.0	11.0	--	--	--	--	20.3	55.3
N. EAST	36.8	33.2	49.4	48.7	33.5	2.6	1.3	21.9	227.4
All Other Counties	.1	--	--	--	--	--	--	8.7	8.8
STATE	50.9	50.6	50.3	48.8	33.5	2.6	1.3	37.0	275.0

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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