



2003 North Dakota Wheat Varieties

July 18, 2003

Highlights

The leading spring wheat varieties planted in North Dakota were Alsen, Reeder, Parshall, Oxen, and Norpro. Of the 6.4 million acres of spring wheat planted in 2003, these five varieties accounted for 70.5 percent of the acreage. Alsen was the strong front runner in the northern two-thirds of the state. Gunner dropped to seventh in 2003, down from second place in 2002.

The three leading durum varieties were unchanged for 2003. Ben maintained its first place position for the fifth straight year. Lebsock was a close second in 2003 and Mountrail remained in third place. Together the top three varieties accounted for 68.5 percent of the 1.9 million durum wheat acres planted in 2003. Kyle, Renville, Monroe and Maier filled out the top seven for durum wheat.

Ransom was the number one winter wheat variety planted in North Dakota for the 2003 crop year. It was followed by Elkhorn, Roughrider, and Jerry in that order. These four varieties captured 48.9 percent of the planted acres and were all North Dakota releases.

Survey Description

The data in this report are based on the results of a June survey of over 2,000 wheat producers conducted by USDA's North Dakota Agricultural Statistics Service. **Thank you to each person who supplied data and made this report possible.**

Results include acreage and percentages at the state and Agricultural Statistics district levels. The number of summarized reports produce highly reliable state totals. At the district level, the number of reports for minor varieties is generally limited, hence some of the yearly variation in the district percent and acreage may be the result of sample variation.

The North Dakota Wheat Commission and the North Dakota State University (NDSU) Agriculture Experiment Station provided supporting funds for this survey. The NDSU Extension Service provided variety descriptions. Free copies of the publication are available from the North Dakota Wheat Commission, 4023 State Street, Bismarck, ND 58503-0690; telephone 701-328-5111.

SPRING WHEAT

Alsen strengthened its first place ranking for spring wheat varieties this year. It accounted for 37.4 percent of the spring wheat acres, an increase of 6.6 percentage points. Alsen, a 2000 North Dakota release, has semi-dwarf height, strong straw strength, medium-early maturity rate, high tolerance to fusarium head blight and an average to good end-use quality rating.

Reeder was the second most popular spring wheat variety, up from third place last year. It accounted for 12.4 percent of the spring wheat acres statewide, compared to 8.6 percent last year. Reeder was the leading variety in the southwest and south central districts. This 1999 North Dakota stem rust resistant release, has semi-dwarf height, strong straw strength, medium-early maturity rate and an average end-use quality rating.

Parshall moved up to third place in 2003 from fourth in 2002, accounting for 9.4 percent of the spring wheat planted acres. It is a 1999 North Dakota release that has medium height, strong straw strength, medium maturity, a good end-use quality rating, and is resistant to stem rust.

Oxen moved up from fifth to fourth place in 2003 in North Dakota. It accounted for 5.9 percent of the spring wheat acres, compared to 7.6 percent in 2002. Oxen was the leading variety in the southeast district. Oxen is a 1996 South Dakota release. Similar to Alsen, it is described as having semi-dwarf height, strong straw strength, medium-early maturity rate and average to good end-use quality.

SPRING WHEAT^{1/}
Percent of Acreage Planted, North Dakota, 1999-2003

Variety	1999	2000	2001	2002	2003	
					Pct.	Acres Planted
	----- Percent -----					- 1,000 -
Alsen	0.0	0.4	6.7	30.8	37.4	2,390.5
Reeder	0.0	0.6	4.3	8.6	12.4	791.3
Parshall	0.0	0.8	6.7	7.9	9.4	600.0
Oxen	6.3	9.6	8.2	7.6	5.9	380.5
Norpro	0.0	0.0	0.4	3.1	5.4	343.8
Russ	15.1	20.3	18.2	6.0	3.7	239.7
Gunner	6.5	14.9	16.1	9.1	3.0	191.1
Ingot	0.2	1.9	5.6	6.7	2.6	167.6
Walworth	0.0	0.0	0.0	0.5	2.0	127.3
2375	26.0	13.5	6.8	3.4	1.8	114.9
Grandin	5.7	5.8	2.6	1.6	1.8	114.2
Briggs	0.0	0.0	0.0	0.0	1.5	93.5
Mercury	0.0	0.0	0.0	0.6	1.1	72.1
Knudson	0.0	0.0	0.0	0.1	1.0	64.3
Butte 86	3.8	2.2	1.2	1.1	1.0	61.3
Amidon	6.2	4.9	3.9	1.8	0.9	59.6
Keene	2.1	2.7	2.4	1.0	0.8	53.2
Trenton	2.3	1.5	1.9	0.9	0.8	48.1
Granite	0.0	0.0	0.0	0.0	0.6	36.8
Len	0.8	0.4	0.3	0.4	0.5	34.1
Gus	0.8	0.9	1.5	0.4	0.4	27.2
Coteau	0.6	0.4	0.3	0.5	0.4	22.7
Stoa	0.7	0.5	0.3	0.1	0.3	21.5
Dandy	0.0	0.5	1.5	1.0	0.3	19.8
Hanna	0.0	0.0	0.0	0.0	0.3	16.1
Argent (White)	0.0	0.0	0.0	0.2	0.2	14.9
Other ^{2/}	22.9	18.2	11.1	6.6	4.6	293.9
All Varieties	100.0	100.0	100.0	100.0	100.0	6,400.0

^{1/} Percentages may not add to 100 due to rounding. ^{2/} Other includes varieties not listed and unknown varieties.

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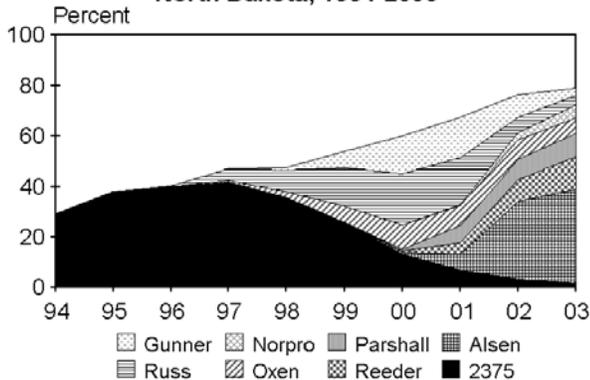
SPRING WHEAT (Continued)

SPRING WHEAT ^{1/}
Percent and Acreage Planted, North Dakota, 2003

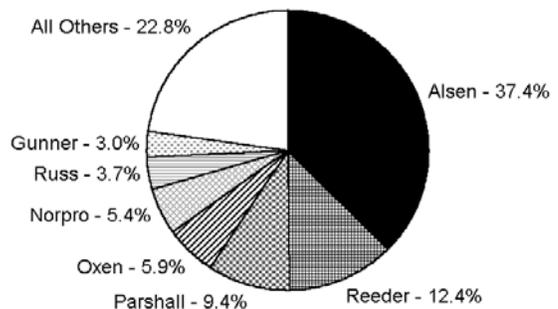
Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	----- Percent Planted -----									
Alsen	56.6	67.7	57.7	24.9	46.2	30.0	8.4	10.0	15.9	37.4
Reeder	7.2	5.0	2.2	18.3	8.3	0.4	47.8	20.8	8.1	12.4
Parshall	9.1	5.5	12.2	9.9	11.6	8.7	11.1	6.8	5.8	9.4
Oxen	0.0	0.0	0.7	4.8	0.2	16.4	3.2	7.5	26.6	5.9
Norpro	0.3	4.2	5.8	6.7	10.0	6.5	3.8	5.7	4.8	5.4
Russ	4.0	1.8	1.4	1.6	8.7	1.2	2.6	8.7	7.8	3.7
Gunner	7.9	6.4	1.5	7.6	0.9	0.0	2.0	3.4	0.3	3.0
Ingot	0.0	0.0	0.6	0.7	0.7	9.8	0.0	0.8	12.9	2.6
Walworth	0.0	0.0	0.8	0.0	0.6	9.7	0.0	0.2	6.7	2.0
2375	0.0	1.6	1.3	0.4	0.4	3.9	1.2	6.7	0.6	1.8
Grandin	1.6	0.0	0.3	4.3	0.3	0.0	4.5	6.2	0.7	1.8
Briggs	0.1	0.3	2.6	0.0	1.9	4.4	0.0	0.1	2.0	1.5
Mercury	0.0	0.0	3.6	0.0	0.0	0.8	0.0	1.7	1.3	1.1
Knudson	0.9	2.5	1.4	0.3	1.8	1.3	0.0	0.0	0.2	1.0
Butte 86	0.0	0.0	0.0	0.7	1.7	0.2	1.8	4.3	1.1	1.0
Amidon	2.8	0.2	0.0	2.8	0.6	0.0	0.2	3.2	0.2	0.9
Keene	3.6	0.0	0.0	0.6	0.0	0.0	2.4	1.8	0.0	0.8
Trenton	1.1	0.0	0.0	3.9	0.1	0.0	2.0	0.3	0.4	0.8
Granite	0.3	0.0	1.6	0.0	0.0	1.8	0.0	0.0	0.0	0.6
Len	0.0	0.2	0.0	0.9	2.2	0.0	1.0	1.1	0.0	0.5
Gus	0.4	0.5	0.0	1.5	0.0	0.0	0.5	1.6	0.0	0.4
Coteau	0.0	0.0	0.1	0.2	2.0	0.4	0.0	0.7	0.1	0.4
Stoa	0.5	0.1	0.0	2.3	0.0	0.0	0.5	0.2	0.0	0.3
Dandy	0.0	0.0	0.9	0.0	0.0	0.1	0.0	0.9	0.1	0.3
Hanna	1.9	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.3
Argent (White)	0.0	0.0	0.2	0.0	0.0	1.0	0.7	0.0	0.0	0.2
Other ^{2/} (White)	1.7	3.7	4.8	7.5	1.8	3.1	6.4	7.7	4.4	4.6
	----- 1,000 Acres -----									
Alsen	328.0	426.6	779.0	139.6	276.9	228.0	63.9	59.7	88.8	2,390.5
Reeder	41.8	31.4	29.9	102.3	49.9	3.4	363.0	124.5	45.1	791.3
Parshall	52.8	34.5	164.3	55.2	69.6	66.4	84.3	40.5	32.4	600.0
Oxen	0.0	0.0	9.4	27.0	1.0	124.8	24.5	45.1	148.7	380.5
Norpro	1.9	26.2	78.7	37.8	59.9	49.3	28.8	34.3	26.9	343.8
Russ	23.4	11.3	19.4	9.1	52.2	9.4	19.6	51.9	43.4	239.7
Gunner	46.0	40.5	19.8	42.7	5.2	0.0	14.9	20.4	1.6	191.1
Ingot	0.0	0.0	7.6	3.7	4.4	74.8	0.0	4.7	72.4	167.6
Walworth	0.0	0.0	11.1	0.0	3.8	73.9	0.0	0.9	37.6	127.3
2375	0.0	9.8	17.8	2.5	2.5	29.6	9.1	40.0	3.6	114.9
Grandin	9.4	0.0	3.9	24.2	1.7	0.0	33.9	37.0	4.1	114.2
Briggs	0.3	1.9	34.7	0.0	11.3	33.6	0.0	0.3	11.4	93.5
Mercury	0.0	0.0	48.2	0.0	0.0	6.3	0.0	10.3	7.3	72.1
Knudson	5.0	15.9	19.5	1.5	11.1	10.0	0.0	0.0	1.3	64.3
Butte 86	0.0	0.0	0.0	3.8	10.4	1.4	13.8	25.8	6.1	61.3
Amidon	16.5	1.5	0.0	15.6	3.5	0.0	1.8	19.4	1.3	59.6
Keene	20.9	0.0	0.0	3.2	0.0	0.0	18.3	10.8	0.0	53.2
Trenton	6.1	0.0	0.0	21.9	0.6	0.0	15.2	2.0	2.3	48.1
Granite	1.5	0.0	21.6	0.0	0.0	13.7	0.0	0.0	0.0	36.8
Len	0.0	1.4	0.0	5.3	13.2	0.0	7.8	6.4	0.0	34.1
Gus	2.5	3.2	0.0	8.6	0.0	0.0	3.6	9.3	0.0	27.2
Coteau	0.0	0.3	1.5	1.1	12.0	2.9	0.0	4.2	0.7	22.7
Stoa	2.9	0.8	0.0	12.8	0.0	0.0	4.0	1.0	0.0	21.5
Dandy	0.0	0.0	12.6	0.0	0.0	1.0	0.0	5.6	0.6	19.8
Hanna	10.9	1.5	3.1	0.0	0.0	0.6	0.0	0.0	0.0	16.1
Argent (White)	0.0	0.0	2.5	0.0	0.0	7.3	5.1	0.0	0.0	14.9
Other ^{2/} (White)	10.1	23.2	65.4	42.1	10.8	23.6	48.4	45.9	24.4	293.9
All Varieties	580.0	630.0	1,350.0	560.0	600.0	760.0	760.0	600.0	560.0	6,400.0

^{1/} Percentages may not add to 100 due to rounding. ^{2/} Other includes varieties not listed and unknown varieties.

Spring Wheat
Select Varieties Planted
North Dakota, 1994-2003



Spring Wheat Varieties
Percent of Total Planted
North Dakota, 2003



DURUM WHEAT

Ben was the most popular North Dakota durum wheat variety planted for the fifth year in a row. It accounted for 23.8 percent of the 1.9 million durum acres planted, down from 26.0 percent in 2002. It was planted statewide and was the leading variety in the west central, east central, southwest, and southeast districts. Ben is a 1996 North Dakota release and is characterized by medium height, strong straw strength, medium maturity and excellent end-use quality.

Lebsock maintained its second place position in 2003. It was planted on 22.9 percent of the durum acres. It remained the leading variety in the north central and the northeast districts. Lebsock is known for its medium height, strong straw strength, medium maturity and good end-use quality. It is a 1999 North Dakota release.

Mountrail was the third most popular variety planted in 2003. It comprised 21.8 percent of the acres of durum planted this year, up from 14.0 percent last year. It was released by North Dakota in 1998 and is described as a medium height, strong straw strength, late maturity variety with average end-use quality.

Kyle stayed in fourth place this year with 5.3 percent of the planted durum acres, down from 7.8 in 2002. It was grown mainly in the northwest and central districts. Kyle is a 1984 Canadian release and is described as having tall height, weak straw strength, late maturity, and good end-use quality.

DURUM WHEAT ^{1/}
Percent of Acreage Planted, North Dakota, 1999-2003

Variety	1999	2000	2001	2002	2003	
					Pct.	Acres Planted
	----- Percent -----				- 1,000 -	
Ben	26.0	29.0	27.5	26.0	23.8	452.3
Lebsock	0.0	0.1	3.2	15.8	22.9	435.8
Mountrail	0.4	0.7	7.9	14.0	21.8	414.3
Kyle	6.5	7.5	6.2	7.8	5.3	101.3
Renville	22.1	20.3	20.6	7.6	5.0	95.5
Monroe	12.7	10.3	7.3	7.8	4.3	82.0
Maier	0.1	0.6	3.0	3.2	3.1	59.1
Munich	10.1	12.7	8.0	4.2	2.7	51.7
Rugby	12.9	8.9	6.5	1.4	2.1	39.4
Plaza	0.0	0.0	0.0	1.6	2.0	37.4
Pierce	0.0	0.0	0.0	0.0	1.5	28.5
Vic	2.5	2.7	2.2	2.5	0.9	16.7
Dilse	0.0	0.0	0.0	0.0	0.6	12.1
Other ^{2/}	6.7	7.2	7.6	8.1	3.9	73.9
All Varieties	100.0	100.0	100.0	100.0	100.0	1,900.0

^{1/} Percentages may not add to 100 due to rounding. ^{2/} Other includes varieties not listed and unknown varieties.

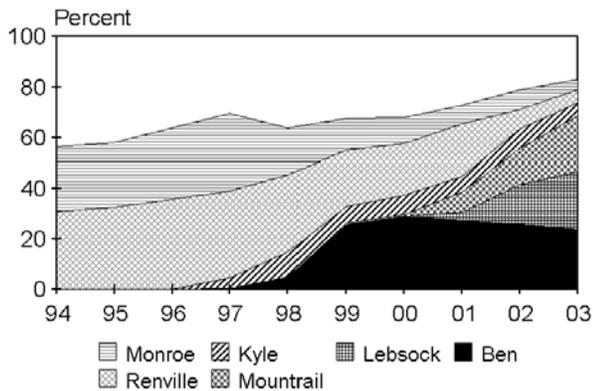
DURUM WHEAT ^{1/}
Percent and Acreage Planted, North Dakota, 2003

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	----- Percent Planted -----									
Ben	12.7	12.7	3.1	26.5	2.6	63.3	60.8	18.3	47.5	23.8
Lebsock	21.3	53.1	61.7	13.5	21.3	36.7	18.2	28.8	0.0	22.9
Mountrail	34.8	7.8	2.1	12.6	0.0	0.0	6.2	32.3	0.0	21.8
Kyle	9.4	0.0	0.0	1.8	7.4	0.0	0.6	0.0	0.0	5.3
Renville	5.6	6.2	2.1	4.9	14.4	0.0	1.9	7.2	0.0	5.0
Monroe	4.7	1.5	0.0	12.3	0.0	0.0	0.6	0.0	0.0	4.3
Maier	1.5	2.4	0.0	10.4	0.0	0.0	3.2	2.5	0.0	3.1
Munich	2.4	7.2	19.9	2.0	3.0	0.0	0.0	0.0	0.0	2.7
Rugby	0.0	6.3	5.3	0.0	42.0	0.0	0.0	0.0	0.0	2.1
Plaza	1.7	0.0	0.0	3.9	0.0	0.0	2.8	0.0	0.0	2.0
Pierce	0.5	0.0	0.0	3.8	1.4	0.0	1.4	10.8	17.5	1.5
Vic	1.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.9
Dilse	0.8	0.6	0.0	0.3	0.0	0.0	0.8	0.0	0.0	0.6
Other	2.8	2.2	5.7	8.3	7.9	0.0	3.1	0.0	35.0	3.9
	----- 1,000 Acres -----									
Ben	119.8	12.7	2.2	74.1	1.8	3.8	225.0	11.0	1.9	452.3
Lebsock	200.0	53.1	43.2	37.7	14.9	2.2	67.4	17.3	0.0	435.8
Mountrail	327.4	7.8	1.5	35.2	0.0	0.0	23.0	19.4	0.0	414.3
Kyle	88.8	0.0	0.0	4.9	5.2	0.0	2.4	0.0	0.0	101.3
Renville	52.6	6.2	1.5	13.8	10.1	0.0	7.0	4.3	0.0	95.5
Monroe	44.0	1.5	0.0	34.3	0.0	0.0	2.2	0.0	0.0	82.0
Maier	14.3	2.4	0.0	29.0	0.0	0.0	11.9	1.5	0.0	59.1
Munich	23.0	7.2	13.9	5.5	2.1	0.0	0.0	0.0	0.0	51.7
Rugby	0.0	6.3	3.7	0.0	29.4	0.0	0.0	0.0	0.0	39.4
Plaza	15.9	0.0	0.0	11.0	0.0	0.0	10.5	0.0	0.0	37.4
Pierce	4.7	0.0	0.0	10.6	1.0	0.0	5.0	6.5	0.7	28.5
Vic	15.5	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	16.7
Dilse	7.6	0.6	0.0	0.8	0.0	0.0	3.1	0.0	0.0	12.1
Other ^{2/}	26.4	2.2	4.0	23.1	5.5	0.0	11.3	0.0	1.4	73.9
All Varieties	940.0	100.0	70.0	280.0	70.0	6.0	370.0	60.0	4.0	1,900.0

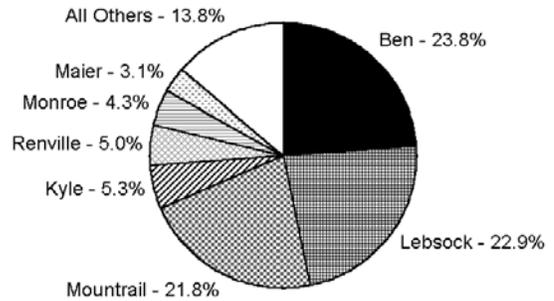
^{1/} Percentages may not add to 100 due to rounding. ^{2/} Other includes varieties not listed and unknown varieties.

DURUM WHEAT (Continued)

**Durum Wheat
Leading Varieties Planted
North Dakota, 1994-2003**



**Durum Wheat Varieties
Percent of Total Planted
North Dakota, 2003**



WINTER WHEAT

Ransom was the leading North Dakota winter wheat variety, up from fifth place in 2001. Winter wheat variety percentages were not estimated for 2002. This 2003 leader accounted for 16.2 percent of the 130,000 acres planted this year. Ransom is a 1998 North Dakota release and is characterized by medium height, medium straw strength, early maturity and good winter hardiness.

Elkhorn with 12.6 percent of the planted acres took over second place this year. Elkhorn is a medium height, medium strength, medium maturity variety with a good winter hardiness rating.

Roughrider was the number three winter wheat variety in 2003. It is down from second in 2001. It was planted on 10.6 percent of the winter wheat acreage. It is a 1975 North Dakota release that has medium height, medium strong straw, medium maturity and good winter hardiness.

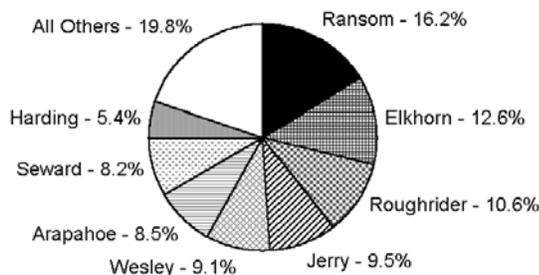
Jerry achieved a fourth place ranking this year. It was planted on 9.5 percent of the winter wheat acreage. Jerry is a 2001 North Dakota release described as having medium height, strong straw strength, medium maturity and good winter hardiness.

**WINTER WHEAT ^{1/}
Percent of Acreage Planted,
North Dakota, 1998-2001, 2003**

Variety	1998	1999	2000	2001	2003	
					Pct	Acres Planted
	----- Percent -----					- 1,000 -
Ransom	0.0	0.0	4.3	8.5	16.2	21.0
Elkhorn	24.3	22.4	25.7	12.3	12.6	16.4
Roughrider	30.8	25.0	32.6	16.7	10.6	13.8
Jerry	0.0	0.0	0.0	0.0	9.5	12.4
Wesley	0.0	0.0	0.0	0.0	9.1	11.8
Arapahoe	10.7	10.8	12.3	31.1	8.5	11.1
Seward	24.3	17.6	2.8	9.1	8.2	10.7
Harding	0.0	0.0	0.0	0.0	5.4	7.0
Other ^{2/}	9.9	24.2	22.3	22.3	19.8	25.8
All Varieties	100.0	100.0	100.0	100.0	100.0	130.0

^{1/} Percentages may not add to 100 due to rounding. ^{2/} Other includes varieties not listed and unknown varieties.

**Winter Wheat Varieties
Percent of Total Planted
North Dakota, 2003**



**North Dakota
Agricultural Statistics Districts**

