

# Montana

## Wheat Varieties

### 2006



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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#### WINTER WHEAT

**Rampart** remains the most popular winter wheat variety with 411,900 acres seeded this year, down from last year's acreage of 534,200. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

**CDC Falcon** rises to second with 222,800 acres planted this year, accounting for 11.1 percent of the total winter wheat acreage in the state. CDC Falcon is a semi-dwarf, hard red, winter wheat developed by the Crop Development Center in Saskatoon, Saskatchewan and was registered in 1998. A high yielding wheat with a short strong straw, good winter-hardiness, and a resistance to stem and leaf rust characterize this wheat.

**Neeley** drops to third this year with 180,500 acres seeded, accounting for 9.0 percent of the total winter wheat acreage in the state. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety with intermediate maturity.

**Morgan** is the fourth leading winter wheat variety in the state this year. A total of 151,800 acres were seeded accounting for 7.6 percent of the total acres seeded. Morgan is a semi-dwarf, hard red, winter wheat developed by the Crop Development Centre (CDC) at the University of Saskatchewan. It is recommended for the high winter stress areas of Montana and North Dakota.

The top four varieties (Rampart, CDC Falcon, Neeley, Morgan) account for 48.3 percent of the winter wheat acreage seeded for harvest in 2006. The top four varieties (Rampart, Neeley, Tiber, Rocky) seeded for 2005 accounted for 54.9 percent of the total winter wheat acreage for the state.

#### SPRING WHEAT

**Reeder** rises to first with 768,500 acres seeded this year, which is up from last year's acreage of 685,900. Reeder accounts for 26.5 percent of the total acres seeded. It was developed by the North Dakota Agricultural Experiment Station and released in 1999. Reeder is resistant to upper mid-west stem and leaf rust and was developed from a cross of a relative of Stop and germplasm from Brazil.

**McNeal** drops to second after eight consecutive years at the top. McNeal accounts for 21.7 percent of the acreage, or 628,000 acres, which is down 125,500 acres from 2005. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red, spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly.

**Choteau** rises to third with 502,600 acres planted this year, accounting for 17.3 percent of Montana's spring wheat acres. Choteau was developed by the Montana Agricultural Experiment Station in 2003. It is a semi-dwarf, hard red, spring wheat with solid stems which lends tolerance to the wheat stem sawfly. The spike is lax and tapered with white awns and glumes. Kernels are red ovate with a medium crease and brush. Choteau is resistant to the prevalent stem rust in Montana.

**Conan** is the fourth leading variety for the third year in a row with 208,400 acres seeded, or 7.2 percent of the state's spring wheat acreage. Conan was developed by the Western Plant Breeders and released in 1997. It is a white chaffed, semi-dwarf, sawfly tolerant, hard red spring wheat. It is resistant to prevalent races of stripe rust and leaf rust, and has shown good tolerance to septoria and tan spot.

The top four varieties (Reeder, McNeal, Choteau, Conan) account for 72.7 percent of the spring wheat acreage seeded for harvest in 2006. The top four varieties (McNeal, Reeder, Ernest, Conan) seeded for 2005 accounted for 73.1 percent of the total spring wheat acreage for the state.

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## DURUM WHEAT

**Mountrail** remains the top durum wheat variety in the state for the third year in a row with 205,600 acres seeded, or 51.4 percent of the durum wheat acreage. This year's acreage is down from the 312,300 acres planted in 2005. Mountrail was developed from the cross of D8479 and Renville by the North Dakota Agricultural Experiment Station, and was released in 1999. The variety has a high semolina extract with strong gluten. It is resistant to both leaf and stem rusts.

**Kyle** is in second place again this year. There were 64,800 acres seeded in the state, accounting for 16.2 percent of the total acres. Kyle was developed by the Agriculture Canada Research Station in Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and Septoria leaf spot and susceptible to loose smut.

**Lebsock** rises to third with 38,200 acres seeded, or 9.6 percent of the state's durum wheat acreage. Lebsock was developed by the North Dakota Agricultural Experiment Station in cooperation with the Agricultural Research Service, USDA, and was released in 1999. It has a moderate level of resistance to tan spot, but is fairly susceptible to Fusarium head blight. Lebsock produces high yields and has good end-use quality.

**Alzada** rises to fourth with 25,700 acres planted, accounting for 6.4 percent of Montana's durum wheat acreage. Developed by WestBred, LLC and released in 2004, Alzada is a semi-dwarf, sawfly tolerant, non day-length sensitive variety. It produces a bright yellow semolina from which high quality durum products can be made.

The top four varieties (Mountrail, Kyle, Lebsock, Alzada) account for 83.6 percent of the total durum wheat acreage in the state for 2005. The top four varieties in 2005 (Mountrail, Kyle, Lebsock, AC Avonlea) accounted for 84.9 percent of the total durum wheat acreage.

Winter Wheat: 2006 Seeded Acreage and Percent of Total Seeded by Districts

Variety 1/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	0.0	0.0	380.5	30.2	5.5	7.9	19.1	4.7	1.1	6.8	4.2	2.7	1.5	2.0	411.9	20.6
CDC Falcon	0.9	6.6	149.9	11.9	2.1	3.0	55.8	13.7	2.6	16.3	11.5	7.3	0.0	0.0	222.8	11.1
Neeley	0.0	0.0	45.4	3.6	7.2	10.4	98.9	24.3	10.3	64.6	15.2	9.7	3.5	4.6	180.5	9.0
Morgan	0.0	0.0	142.4	11.3	6.3	9.1	1.2	0.3	0.0	0.0	0.0	0.0	1.9	2.5	151.8	7.6
Rocky	0.0	0.0	137.3	10.9	2.9	4.2	6.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	146.7	7.3
Tiber	0.0	0.0	47.9	3.8	14.6	21.1	13.4	3.3	0.3	2.1	35.8	22.8	11.8	15.3	123.8	6.2
Jagalene	0.0	0.0	35.3	2.8	0.8	1.2	72.9	17.9	0.0	0.0	10.0	6.4	0.0	0.0	119.0	6.0
Pryor	0.7	5.0	30.2	2.4	0.0	0.0	32.6	8.0	1.0	6.3	2.2	1.4	1.8	2.4	68.5	3.4
Promontory	1.7	12.0	1.3	0.1	0.1	0.1	29.3	7.2	0.2	1.4	24.6	15.7	4.1	5.3	61.3	3.1
Vanguard	0.0	0.0	47.9	3.8	0.0	0.0	11.4	2.8	0.0	0.0	1.3	0.8	0.0	0.0	60.6	3.0
Big Sky	0.0	0.0	42.8	3.4	1.5	2.2	8.5	2.1	0.0	0.0	0.0	0.0	0.0	0.0	52.8	2.6
Ledger	0.0	0.0	41.6	3.3	0.0	0.0	8.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	49.7	2.5
Genou	0.0	0.0	42.8	3.4	0.1	0.1	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	49.0	2.5
Redwin	0.0	0.0	8.8	0.7	4.6	6.7	2.8	0.7	0.0	0.0	8.0	5.1	6.1	7.9	30.3	1.5
Judith	0.0	0.0	21.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	1.1
Winalta	0.0	0.0	0.0	0.0	6.6	9.5	0.0	0.0	0.0	0.0	0.0	0.0	12.8	16.6	19.4	1.0
Prowers 99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	9.8	0.0	0.0	15.4	0.8
Clearfield	0.0	0.0	1.3	0.1	0.0	0.0	4.9	1.2	0.2	1.3	7.1	4.5	0.6	0.8	14.1	0.7
Quantum 542	0.0	0.0	11.3	0.9	0.0	0.0	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.6
Tomahawk	0.0	0.0	2.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.9	6.3	0.0	0.0	12.4	0.6
Nuwest **	0.0	0.0	5.0	0.4	0.0	0.0	2.4	0.6	0.0	0.0	3.3	2.1	0.0	0.0	10.7	0.5
Nufrontier	0.0	0.0	6.3	0.5	0.0	0.0	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.5
Erhardt	0.0	0.0	2.5	0.2	0.6	0.9	0.0	0.0	0.0	0.0	1.3	0.8	4.9	6.3	9.3	0.5
Other & Unknown	10.7	76.4	55.6	4.4	16.1	23.6	27.8	6.8	0.3	1.2	7.2	4.6	28.0	36.3	145.7	7.3
<b>All Varieties</b>	<b>14.0</b>	<b>100.0</b>	<b>1,260.0</b>	<b>100.0</b>	<b>69.0</b>	<b>100.0</b>	<b>407.0</b>	<b>100.0</b>	<b>16.0</b>	<b>100.0</b>	<b>157.0</b>	<b>100.0</b>	<b>77.0</b>	<b>100.0</b>	<b>2,000.0</b>	<b>100.0</b>

1/ Hard red variety unless otherwise noted. \*\*White wheat variety.

**Spring Wheat: 2006 Seeded Acreage and Percent of Total Seeded by Districts**

Variety 1/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Reeder	1.2	3.7	9.8	0.9	665.6	51.2	52.2	23.2	0.0	0.0	9.2	12.3	30.5	25.4	768.5	26.5
McNeal	0.3	1.0	157.0	14.4	321.1	24.7	63.7	28.3	22.3	38.4	33.2	44.2	30.4	25.3	628.0	21.7
Choteau	0.0	0.0	364.1	33.4	84.5	6.5	37.4	16.6	5.3	9.1	7.3	9.7	4.0	3.3	502.6	17.3
Conan	0.0	0.0	197.3	18.1	6.5	0.5	2.9	1.3	0.0	0.0	0.0	0.0	1.7	1.4	208.4	7.2
Ernest	0.0	0.0	114.5	10.5	37.7	2.9	5.4	2.4	0.0	0.0	0.0	0.0	5.4	4.5	163.0	5.6
Fortuna	1.8	5.5	117.7	10.8	3.9	0.3	2.9	1.3	0.0	0.0	0.4	0.5	0.7	0.6	127.4	4.4
Hank	11.1	34.7	18.5	1.7	2.6	0.2	20.0	8.9	8.9	15.4	6.3	8.4	0.0	0.0	67.4	2.3
Amidon	0.0	0.0	12.0	1.1	33.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.2	48.4	1.7
Westbred Rambo	0.0	0.0	31.6	2.9	3.9	0.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	36.2	1.2
Westbred 926	3.9	12.2	0.0	0.0	0.0	0.0	13.7	6.1	0.3	0.5	2.2	2.9	3.2	2.7	23.3	0.8
Parshall	0.0	0.0	0.0	0.0	20.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.7
Westbred 936	2.2	7.0	3.3	0.3	0.0	0.0	2.0	0.9	8.9	15.3	0.0	0.0	4.2	3.5	20.6	0.7
Lew	0.0	0.0	12.0	1.1	6.5	0.5	0.0	0.0	1.2	2.1	0.8	1.0	0.0	0.0	20.5	0.7
Len	0.0	0.0	0.0	0.0	18.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.2	19.6	0.7
Outlook	0.0	0.0	3.3	0.3	10.4	0.8	3.2	1.4	0.0	0.0	0.6	0.8	0.0	0.0	17.5	0.6
Newana	0.4	1.1	1.1	0.1	2.6	0.2	6.5	2.9	0.0	0.0	1.7	2.3	1.1	0.9	13.4	0.5
Grandin	0.0	0.0	0.0	0.0	5.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	7.4	6.2	12.6	0.4
Scholar	0.1	0.4	3.3	0.3	6.5	0.5	1.4	0.6	0.0	0.0	0.4	0.5	0.0	0.0	11.7	0.4
Alsen	0.0	0.0	0.0	0.0	7.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	8.3	0.3
Westbred Express	5.4	17.0	0.0	0.0	0.0	0.0	0.7	0.3	1.3	2.3	0.0	0.0	0.0	0.0	7.4	0.3
Other & Unknown	5.6	17.4	44.5	4.1	62.4	4.8	12.3	5.5	9.8	16.9	12.9	17.4	26.9	22.4	174.4	6.0
<b>All Varieties</b>	<b>32.0</b>	<b>100.0</b>	<b>1,090.0</b>	<b>100.0</b>	<b>1,300.0</b>	<b>100.0</b>	<b>225.0</b>	<b>100.0</b>	<b>58.0</b>	<b>100.0</b>	<b>75.0</b>	<b>100.0</b>	<b>120.0</b>	<b>100.0</b>	<b>2,900.0</b>	<b>100.0</b>

1/ Hard red variety unless otherwise noted.

**Durum Wheat: 2006 Seeded Acreage and Percent of Total Seeded by Districts**

Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Mountrail	0.0	0.0	195.6	56.7	0.0	0.0	10.0	95.0	0.0	0.0	205.6	51.4
Kyle	11.7	30.0	53.1	15.4	0.0	0.0	0.0	0.0	0.0	0.0	64.8	16.2
Lebsock	0.9	2.4	37.3	10.8	0.0	0.0	0.0	0.0	0.0	0.0	38.2	9.6
Alzada	22.3	57.1	2.4	0.7	1.0	30.0	0.0	0.0	0.0	0.0	25.7	6.4
Pierce	0.0	0.0	20.4	5.9	0.0	0.0	0.0	0.0	0.0	0.0	20.4	5.1
AC Avonlea	0.0	0.0	9.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	9.0	2.2
Vic	0.0	0.0	6.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.7
Dilse	0.0	0.0	3.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.8
Maier	0.0	0.0	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6
Monroe	0.0	0.0	2.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.6
Plaza	0.0	0.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2
Ben	0.0	0.0	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2
Other & Unknown	4.1	10.5	11.0	3.2	3.0	70.0	0.5	5.0	1.5	100.0	20.1	5.0
<b>All Varieties</b>	<b>39.0</b>	<b>100.0</b>	<b>345.0</b>	<b>100.0</b>	<b>4.0</b>	<b>100.0</b>	<b>10.5</b>	<b>100.0</b>	<b>1.5</b>	<b>100.0</b>	<b>400.0</b>	<b>100.0</b>

**Winter Wheat: Percent of Total Seeded Acreage 2000-2006 & Seeded Acreage 2005-2006**

Variety 1/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	2000	2001	2002	2003	2004	2005 2/	2006	2005 2/	2006
Rampart	13.8	15.9	19.6	25.7	28.6	24.8	20.6	534.2	411.9
CDC Falcon	--	--	--	0.4	1.8	3.9	11.1	84.5	222.8
Neeley	19.2	22.6	19.9	16.8	15.4	12.6	9.0	270.1	180.5
Morgan	8.3	10.0	7.3	7.3	7.6	7.4	7.6	159.0	151.8
Rocky	6.9	8.9	11.1	8.0	6.0	7.6	7.3	163.1	146.7
Tiber	11.3	10.9	11.2	9.5	9.3	10.0	6.2	214.0	123.8
Jagalene	--	--	--	--	--	1.5	6.0	32.8	119.0
Pryor	--	--	--	--	0.6	1.7	3.4	35.7	68.5
Promontory	--	0.4	0.2	1.3	0.8	1.5	3.1	32.9	61.3
Vanguard	9.4	6.7	9.1	6.7	7.6	6.8	3.0	146.0	60.6
Big Sky	--	--	--	0.2	0.9	0.7	2.6	15.8	52.8
Ledger	--	--	--	--	--	--	2.5	--	49.7
Genou	--	--	--	--	--	--	2.5	--	49.0
Redwin	6.4	4.0	5.0	3.0	2.4	2.5	1.5	54.7	30.3
Judith	2.3	0.3	0.5	0.4	1.3	1.3	1.1	29.0	21.4
Winalta	1.1	2.1	0.9	1.2	0.7	1.4	1.0	30.0	19.4
Prowers 99	--	--	0.7	0.6	--	--	0.8	--	15.4
Clearfield	--	--	--	--	--	0.8	0.7	17.8	14.1
Quantum 542	2.2	2.0	1.0	1.0	0.6	1.0	0.6	22.2	12.9
Tomahawk	0.9	1.2	0.9	0.5	1.6	1.6	0.6	34.5	12.4
Nuwest **	0.4	1.7	0.9	1.0	0.6	0.9	0.5	19.0	10.7
Nufontier	--	--	0.3	1.5	1.2	0.7	0.5	14.0	10.0
Erhardt	0.6	0.2	0.4	1.1	0.4	0.5	0.5	11.2	9.3
Other & Unknown	17.2	13.1	11.0	13.8	12.6	10.8	7.3	229.5	145.7
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>2,150.0</b>	<b>2,000.0</b>

1/ Hard red variety unless otherwise noted. 2/ Revised. \*\*White wheat variety.

**Spring Wheat: Percent of Total Seeded Acreage 2000-2006 & Seeded Acreage 2005-2006**

Variety 1/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	2000	2001	2002	2003	2004	2005 2/	2006	2005 2/	2006
Reeder	0.1	3.4	9.1	18.4	22.7	26.4	26.5	685.9	768.5
McNeal	48.8	49.2	38.8	35.9	31.7	29.0	21.7	753.5	628.0
Choteau	--	--	--	--	--	1.5	17.3	38.6	502.6
Conan	1.0	3.1	5.0	3.7	7.1	7.1	7.2	184.4	208.4
Ernest	10.7	10.1	11.4	11.0	10.0	10.7	5.6	277.1	163.0
Fortuna	4.9	5.1	7.8	3.8	4.6	5.7	4.4	148.9	127.4
Hank	--	--	0.3	1.2	1.7	2.2	2.3	56.3	67.4
Amidon	10.9	7.8	6.2	4.0	3.0	2.5	1.7	64.6	48.4
Westbred Rambo	5.3	3.2	3.8	2.7	3.2	1.1	1.2	28.9	36.2
Westbred 926	2.2	1.8	1.5	1.1	0.9	0.8	0.8	20.7	23.3
Parshall	--	0.5	1.4	1.6	1.1	0.9	0.7	24.4	20.8
Westbred 936	3.5	1.5	1.1	1.1	0.9	1.0	0.7	27.0	20.6
Lew	0.9	1.2	1.8	2.8	2.4	1.4	0.7	37.7	20.5
Len	1.6	1.2	0.8	0.5	0.5	0.5	0.7	12.5	19.6
Outlook	--	--	--	--	--	--	0.6	--	17.5
Newana	0.9	0.6	0.3	0.3	0.5	0.3	0.5	6.7	13.4
Grandin	3.3	1.3	1.3	1.0	0.8	0.4	0.4	11.5	12.6
Scholar	--	0.5	1.9	3.0	2.2	1.6	0.4	40.5	11.7
Alsen	--	--	--	0.1	--	--	0.3	--	8.3
Westbred Express	0.4	0.3	0.2	0.1	0.1	0.3	0.3	6.9	7.4
Other & Unknown	5.5	9.2	7.3	7.7	6.6	6.6	6.0	173.9	174.4
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>2,600.0</b>	<b>2,900.0</b>

1/ Hard red variety unless otherwise noted. 2/ Revised.

**Durum Wheat: Percent of Total Seeded Acreage 2000-2006 & Seeded Acreage 2005-2006**

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	2000	2001	2002	2003	2004	2005 1/	2006	2005 1/	2006
Mountrail	0.9	9.6	26.9	35.7	42.1	52.9	51.4	312.3	205.6
Kyle	52.5	45.3	40.2	38.0	34.1	21.4	16.2	126.0	64.8
Lebsock	--	0.1	0.3	3.4	2.3	5.4	9.6	31.7	38.2
Alzada	--	--	--	--	--	1.3	6.4	7.9	25.7
Pierce	--	--	--	--	--	1.3	5.1	7.5	20.4
AC Avonlea	1.4	3.9	3.4	4.3	7.2	5.3	2.2	31.3	9.0
Vic	2.6	1.6	1.4	0.1	0.7	0.9	1.7	5.4	6.9
Dilse	--	--	--	--	--	--	0.8	--	3.1
Maier	0.1	0.7	--	0.3	0.4	0.6	0.6	3.8	2.4
Monroe	2.9	3.3	1.2	3.4	1.7	1.9	0.6	11.3	2.4
Ben	7.8	8.0	5.6	4.3	2.6	0.8	0.2	5.0	0.7
Plaza	--	0.1	0.8	0.8	0.4	0.7	0.2	4.3	0.7
Other & Unknown	31.8	27.4	20.2	9.7	8.5	7.5	5.0	43.5	20.1
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>590.0</b>	<b>400.0</b>

1/ Revised.

**Winter Wheat: 2005 Seeded Acreage and Percent of Total Seeded by Districts 2/**

Variety 1/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	0.0	0.0	482.1	37.9	4.7	4.7	33.6	8.3	0.4	1.6	13.4	6.1	0.0	0.0	534.2	24.8
Neeley	0.5	3.8	80.1	6.3	2.3	2.3	147.0	36.3	14.4	65.6	17.4	7.9	8.4	7.0	270.1	12.6
Tiber	0.0	0.0	54.7	4.3	33.9	34.2	14.2	3.5	0.6	2.5	93.1	42.3	17.5	14.6	214.0	10.0
Rocky	0.0	0.0	137.4	10.8	0.6	0.6	25.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0	163.1	7.6
Morgan	0.0	0.0	139.9	11.0	12.9	13.0	3.2	0.8	0.0	0.0	0.7	0.3	2.3	1.9	159.0	7.4
Vanguard	0.0	0.0	120.8	9.5	0.0	0.0	21.5	5.3	0.0	0.0	3.3	1.5	0.4	0.3	146.0	6.8
CDC Falcon	0.0	0.0	54.7	4.3	0.6	0.6	20.3	5.0	1.0	4.7	4.8	2.2	3.1	2.6	84.5	3.9
Redwin	0.0	0.0	16.5	1.3	20.6	20.8	0.4	0.1	0.0	0.0	11.4	5.2	5.8	4.8	54.7	2.5
Pryor	0.0	0.0	10.2	0.8	0.0	0.0	15.8	3.9	1.1	5.0	8.6	3.9	0.0	0.0	35.7	1.7
Tomahawk	3.4	28.5	0.0	0.0	0.0	0.0	3.2	0.8	0.0	0.0	27.9	12.7	0.0	0.0	34.5	1.6
Jagalene	0.0	0.0	11.4	0.9	0.0	0.0	20.3	5.0	0.0	0.0	0.7	0.3	0.4	0.3	32.8	1.5
Promontory	0.0	0.0	0.0	0.0	0.0	0.0	18.6	4.6	0.0	0.0	11.4	5.2	2.9	2.4	32.9	1.5
Winalta	0.0	0.0	6.4	0.5	12.2	12.3	0.0	0.0	0.0	0.0	0.0	0.0	11.4	9.5	30.0	1.4
Judith	0.0	0.0	26.7	2.1	1.5	1.5	0.4	0.1	0.0	0.0	0.0	0.0	0.4	0.3	29.0	1.3
Big Horn	0.0	0.0	10.2	0.8	0.0	0.0	12.6	3.1	0.0	0.0	0.2	0.1	0.0	0.0	23.0	1.1
Quantum542	0.0	0.0	16.5	1.3	0.0	0.0	0.4	0.1	0.0	0.0	3.3	1.5	2.0	1.7	22.2	1.0
Nuwest**	0.0	0.0	17.8	1.4	0.0	0.0	1.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.9
Clearfield	0.0	0.0	1.3	0.1	0.1	0.1	10.5	2.6	0.0	0.0	5.9	2.7	0.0	0.0	17.8	0.8
Cheyenne	0.0	0.0	0.0	0.0	0.0	0.0	16.2	4.0	0.0	0.0	0.0	0.0	0.6	0.5	16.8	0.8
Big Sky	0.0	0.0	11.4	0.9	0.0	0.0	2.4	0.6	0.3	1.2	1.3	0.6	0.4	0.3	15.8	0.7
Nufontier	0.0	0.0	14.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.7
Erhardt	0.0	0.0	2.5	0.2	0.6	0.6	0.4	0.1	0.0	0.0	0.0	0.0	7.7	6.4	11.2	0.5
Harding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	8.4	10.1	0.5
Other & Unknown	8.1	67.7	57.4	4.5	9.0	9.3	37.7	9.3	4.2	19.4	16.6	7.5	46.6	39.0	179.6	8.4
<b>All Varieties</b>	<b>12.0</b>	<b>100.0</b>	<b>1,272.0</b>	<b>100.0</b>	<b>99.0</b>	<b>100.0</b>	<b>405.0</b>	<b>100.0</b>	<b>22.0</b>	<b>100.0</b>	<b>220.0</b>	<b>100.0</b>	<b>120.0</b>	<b>100.0</b>	<b>2,150.0</b>	<b>100.0</b>

1/ Hard red variety unless otherwise noted 2/ Revised \*\*White wheat variety.

**Spring Wheat: 2005 Seeded Acreage and Percent of Total Seeded by Districts 2/**

Variety 1/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	4.5	16.8	210.1	22.3	365.1	30.5	82.4	40.4	23.1	47.1	37.2	53.9	31.1	27.8	753.5	29.0
Reeder	0.3	1.1	9.4	1.0	599.7	50.1	45.9	22.5	0.0	0.0	5.2	7.5	25.4	22.7	685.9	26.4
Ernest	0.0	0.0	204.4	21.7	56.3	4.7	9.8	4.8	0.0	0.0	1.9	2.7	4.7	4.2	277.1	10.7
Conan	0.0	0.0	178.0	18.9	4.8	0.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	184.4	7.1
Fortuna	0.0	0.0	131.9	14.0	4.8	0.4	6.7	3.3	0.0	0.0	5.5	7.9	0.0	0.0	148.9	5.7
Amidon	0.7	2.5	8.5	0.9	51.5	4.3	0.2	0.1	0.0	0.0	0.3	0.4	3.4	3.0	64.6	2.5
Hank	5.9	21.8	22.6	2.4	4.8	0.4	9.0	4.4	9.7	19.8	4.3	6.2	0.0	0.0	56.3	2.2
Scholar	0.0	0.0	26.4	2.8	9.6	0.8	4.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0	40.5	1.6
Choteau	0.0	0.0	24.5	2.6	10.8	0.9	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	38.6	1.5
Lew	0.0	0.0	29.2	3.1	6.0	0.5	0.6	0.3	0.0	0.0	0.0	0.0	1.9	1.7	37.7	1.4
Westbred Rambo	0.0	0.0	27.3	2.9	1.2	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	28.9	1.1
Westbred 936	0.1	0.4	4.7	0.5	0.0	0.0	11.2	5.5	5.4	11.0	0.0	0.0	5.6	5.0	27.0	1.0
Parshall	0.0	0.0	0.0	0.0	20.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.7	24.4	0.9
Westbred 926	6.2	22.8	6.6	0.7	0.0	0.0	3.3	1.6	1.2	2.5	2.8	4.1	0.6	0.5	20.7	0.8
Gunner	0.0	0.0	0.0	0.0	19.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.7
Len	0.0	0.0	0.0	0.0	10.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.5	12.5	0.5
Grandin	0.0	0.0	0.0	0.0	6.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	5.5	4.9	11.5	0.4
Abbey	0.0	0.0	8.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.3
Westbred Express	2.7	10.0	0.9	0.1	0.0	0.0	1.0	0.5	1.4	2.9	0.9	1.3	0.0	0.0	6.9	0.3
Newana	0.0	0.0	0.9	0.1	3.6	0.3	0.4	0.2	0.5	1.0	0.1	0.1	1.2	1.1	6.7	0.3
Other & Unknown	6.6	24.6	48.1	5.1	22.5	1.9	23.7	11.6	7.7	15.7	10.8	15.9	26.8	23.9	146.2	5.6
<b>All Varieties</b>	<b>27.0</b>	<b>100.0</b>	<b>942.0</b>	<b>100.0</b>	<b>1,197.0</b>	<b>100.0</b>	<b>204.0</b>	<b>100.0</b>	<b>49.0</b>	<b>100.0</b>	<b>69.0</b>	<b>100.0</b>	<b>112.0</b>	<b>100.0</b>	<b>2,600.0</b>	<b>100.0</b>

1/ Hard red variety unless otherwise noted. 2/ Revised

**Durum Wheat: 2005 Seeded Acreage and Percent of Total Seeded by Districts 1/**

Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Mountrail	0.0	0.0	309.4	57.5	0.0	0.0	2.9	24.7	0.0	0.0	312.3	52.9
Kyle	10.9	29.2	115.1	21.4	0.0	0.0	0.0	0.0	0.0	0.0	126.0	21.4
Lebsock	1.0	2.7	30.7	5.7	0.0	0.0	0.0	0.0	0.0	0.0	31.7	5.4
AC Avonlea	3.9	10.6	27.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	31.3	5.3
Monroe	0.0	0.0	11.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	11.3	1.9
Ward	0.0	0.0	8.1	1.5	0.0	0.0	1.9	16.0	0.0	0.0	10.0	1.7
Alzada	7.9	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	1.3
Pierce	0.0	0.0	7.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	7.5	1.3
Vic	0.0	0.0	5.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.9
Ben	1.2	3.1	1.1	0.2	0.0	0.0	2.7	22.7	0.0	0.0	5.0	0.8
Plaza	0.0	0.0	4.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.7
Maier	0.0	0.0	2.2	0.4	0.0	0.0	1.6	13.3	0.0	0.0	3.8	0.6
Crosby	0.0	0.0	1.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.3
Voss	0.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.2
Renville	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.0	0.0	0.0	0.9	0.2
Other & Unknown	11.4	30.6	13.9	2.6	2.9	100.0	1.7	15.3	0.2	100.0	30.1	5.1
<b>All Varieties</b>	<b>37.2</b>	<b>100.0</b>	<b>538.0</b>	<b>100.0</b>	<b>2.9</b>	<b>100.0</b>	<b>11.7</b>	<b>100.0</b>	<b>0.2</b>	<b>100.0</b>	<b>590.0</b>	<b>100.0</b>

1/ Revised



# Montana Wheat Varieties 2005



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Released: July 12, 2005

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## WINTER WHEAT

**Rampart** remains the most popular winter wheat variety with 503,200 acres seeded this year, compared to last year's acreage of 543,400. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

**Neeley** stays in second place this year with 261,400 acres seeded, which accounts for 12.2 percent of the total winter wheat acreage in the state. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety with intermediate maturity.

**Tiber** remains in third place with 253,200 acres seeded, which is up from last year's acreage of 176,400. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance, and good winter hardiness (similar to Redwin). Tiber's resistance to lodging and shattering is equal to Redwin, but shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust.

**Morgan** is the fourth leading variety in the state this year. A total of 159,300 acres were seeded, which is up from 144,100 acres seeded in 2004. This acreage accounts for 7.4 percent of the total acres seeded. Morgan is a semi-dwarf hard red winter wheat developed by the Crop Development Centre (CDC) at the University of Saskatchewan. It is recommended for the high winter stress areas of Montana and North Dakota.

The top four varieties (Rampart, Neeley, Tiber, and Morgan) account for 54.7 percent of the winter wheat acreage seeded for harvest in 2005. The top four varieties seeded for 2004 accounted for 60.9 percent of the total winter wheat acreage for the state.

## SPRING WHEAT

**McNeal** is the leading spring wheat variety seeded for the eighth consecutive year, accounting for 28.8 percent of the acreage, or 748,200 acres, which is down more than 200,000 acres from 2004. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly.

**Reeder** remains in second place with 613,200 acres seeded this year, which is down from last year's acreage of 681,800. This acreage accounts for 23.6 percent of the total acres seeded. Reeder was developed by the North Dakota Agricultural Experiment Station and released in 1999. Reeder is resistant to upper mid-west stem and leaf rust and was developed from a cross of a relative of Stop and germplasm from Brazil.

**Ernest** stays in third place this year with 298,600 acres seeded, which accounts for 11.5 percent of the spring wheat acres seeded in Montana. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed, hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

**Conan** is the fourth leading variety for the second year in a row with 208,200 acres seeded, or 8.0 percent of the state's spring wheat acreage. Conan was developed by the Western Plant Breeders and released in 1997. It is a white chaffed, semidwarf, sawfly tolerant, hard red spring wheat. It is resistant to prevalent races of stripe rust and leaf rust, and has shown good tolerance to septoria and tan spot.

The top four varieties (McNeal, Reeder, Ernest, and Conan) account for 71.9 percent of the spring wheat acreage seeded for harvest in 2005. The top four varieties seeded for 2004 accounted for 71.6 percent of the total spring wheat acreage for the state.

This was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

## DURUM WHEAT

**Mountrail** remains the top durum wheat variety in the state for the second year in a row with 288,900 acres seeded, or 50.6 percent of the durum wheat acreage. This year's acreage is up from the 240,200 acres that were planted in 2004. Mountrail was developed from the cross of D8479 and Renville by the North Dakota Agricultural Experiment Station, and was released in 1999. The variety has a high semolina extract with strong gluten. It is resistant to both leaf and stem rusts.

**Kyle** is in second place again this year, after spending seven consecutive years at the top from 1997 to 2003. There were 121,300 acres seeded in the state, accounting for 21.3 percent of the total acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and Septoria leaf spot and susceptible to loose smut.

**AC Avonlea** stays the third most popular variety this year with 30,800 acres seeded or 5.4 percent of the state's durum wheat. AC Avonlea, a high protein and high yield

variety, was registered in 1997. AC Avonlea was developed at the Semi-arid Prairie Agricultural Research Centre (SPARC) of Agriculture and Agri-Food Canada, Swift Current. It is a medium height variety and has slightly better resistance to tan spot than Kyle.

**Lebsock** joins the top four list this year, with 29,700 acres seeded, or 5.2 percent of the state's durum wheat acreage. Lebsock was developed by the North Dakota Agricultural Experiment Station in cooperation with the Agricultural Research Service, USDA, and was released in 1999. It has a moderate level of resistance to tan spot, but is fairly susceptible to Fusarium head blight. Lebsock produces high yields and has good end-use quality.

The top four varieties (Mountrail, Kyle, AC Avonlea, and Lebsock) account for 82.6 percent of the total durum wheat acreage in the state for 2005. The top four varieties in 2004 (Mountrail, Kyle, AC Avonlea, Ward) accounted for 86.3 percent of the total durum wheat acreage.

**Winter Wheat: 2005 Seeded Acreage and Percent of Total Seeded by Districts**

Variety 1/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	0.0	0.0	448.0	37.9	8.5	4.7	30.3	8.3	0.5	1.6	15.9	6.1	0.0	0.0	503.2	23.4
Neeley	0.5	3.8	74.5	6.3	4.1	2.3	132.5	36.3	21.0	65.6	20.5	7.9	8.3	7.0	261.4	12.2
Tiber	0.0	0.0	50.8	4.3	61.6	34.2	12.8	3.5	0.8	2.5	110.0	42.3	17.2	14.6	253.2	11.8
Morgan	0.0	0.0	130.0	11.0	23.4	13.0	2.9	0.8	0.0	0.0	0.8	0.3	2.2	1.9	159.3	7.4
Rocky	0.0	0.0	127.7	10.8	1.1	0.6	22.6	6.2	0.0	0.0	0.0	0.0	0.0	0.0	151.4	7.0
Vanguard	0.0	0.0	112.3	9.5	0.0	0.0	19.3	5.3	0.0	0.0	3.9	1.5	0.3	0.3	135.8	6.3
CDC Falcon	0.0	0.0	50.8	4.3	1.1	0.6	18.2	5.0	1.5	4.7	5.7	2.2	3.1	2.6	80.4	3.7
Redwin	0.0	0.0	15.4	1.3	37.4	20.8	0.4	0.1	0.0	0.0	13.5	5.2	5.7	4.8	72.4	3.4
Tomahawk	3.7	28.5	0.0	0.0	0.0	0.0	2.9	0.8	0.0	0.0	33.0	12.7	0.0	0.0	39.6	1.8
Winalta	0.0	0.0	5.9	0.5	22.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	11.2	9.5	39.2	1.8
Pryor	0.0	0.0	9.4	0.8	0.0	0.0	14.2	3.9	1.6	5.0	10.1	3.9	0.0	0.0	35.3	1.6
Promontory	0.0	0.0	0.0	0.0	0.0	0.0	16.8	4.6	0.0	0.0	13.5	5.2	2.8	2.4	33.1	1.6
Jagalene	0.0	0.0	10.6	0.9	0.0	0.0	18.3	5.0	0.0	0.0	0.8	0.3	0.4	0.3	30.1	1.4
Judith	0.0	0.0	24.8	2.1	2.7	1.5	0.4	0.1	0.0	0.0	0.0	0.0	0.4	0.3	28.3	1.3
Quantum 542	0.0	0.0	15.4	1.3	0.0	0.0	0.4	0.1	0.0	0.0	3.9	1.5	2.0	1.7	21.7	1.0
Big Horn	0.0	0.0	9.5	0.8	0.0	0.0	11.3	3.1	0.0	0.0	0.3	0.1	0.0	0.0	21.1	1.0
Clearfield	0.0	0.0	1.2	0.1	0.2	0.1	9.5	2.6	0.0	0.0	7.0	2.7	0.0	0.0	17.9	0.9
Nuwest **	0.0	0.0	16.5	1.4	0.0	0.0	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.8
Cheyenne	0.0	0.0	0.0	0.0	0.0	0.0	14.6	4.0	0.0	0.0	0.0	0.0	0.6	0.5	15.2	0.7
Big Sky	0.0	0.0	10.6	0.9	0.0	0.0	2.2	0.6	0.4	1.2	1.6	0.6	0.4	0.3	15.2	0.7
Nufontier	0.0	0.0	13.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.6
Erhardt	0.0	0.0	1.8	0.2	1.0	0.6	0.3	0.1	0.0	0.0	0.0	0.0	7.5	6.4	10.6	0.5
Harding	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	8.4	9.9	0.5
Other & Unknown	8.8	67.7	53.6	4.5	16.8	9.3	34.0	9.3	6.2	19.4	19.5	7.5	46.0	39.0	184.9	8.6
<b>All Varieties</b>	<b>13.0</b>	<b>100.0</b>	<b>1,182.0</b>	<b>100.0</b>	<b>180.0</b>	<b>100.0</b>	<b>365.0</b>	<b>100.0</b>	<b>32.0</b>	<b>100.0</b>	<b>260.0</b>	<b>100.0</b>	<b>118.0</b>	<b>100.0</b>	<b>2,150.0</b>	<b>100.0</b>

1/ Hard red variety unless otherwise noted. \*\*White wheat variety.



Winter Wheat: Percent of Total Seeded Acreage 1999-2005 & Seeded Acreage 2004-2005										
Variety 1/	Percent of Total Seeded Acreage								Seeded Acres (000)	
	1999	2000	2001	2002	2003	2004 2/	2005	2004 2/	2005	
Rampart	9.0	13.8	15.9	19.6	25.7	28.6	23.4	543.4	503.2	
Neeley	20.8	19.2	22.6	19.9	16.8	15.4	12.2	292.6	261.4	
Tiber	17.3	11.3	10.9	11.2	9.5	9.3	11.8	176.4	253.2	
Morgan	7.0	8.3	10.0	7.3	7.3	7.6	7.4	144.1	159.3	
Rocky	8.2	6.9	8.9	11.1	8.0	6.0	7.0	113.7	151.4	
Vanguard	7.0	9.4	6.7	9.1	6.7	7.6	6.3	145.2	135.8	
CDC Falcon	--	--	--	--	0.4	1.8	3.7	33.6	80.4	
Redwin	4.7	6.4	4.0	5.0	3.0	2.4	3.4	45.6	72.4	
Tomahawk	0.6	0.9	1.2	0.9	0.5	1.6	1.8	29.9	39.6	
Winalta	1.7	1.1	2.1	0.9	1.2	0.7	1.8	12.5	39.2	
Pryor	--	--	--	--	--	0.6	1.6	12.0	35.3	
Promontory	--	--	0.4	0.2	1.3	0.8	1.6	16.3	33.1	
Jagalene	--	--	--	--	--	--	1.4	--	30.1	
Judith	1.0	2.3	0.3	0.5	--	1.3	1.3	25.2	28.3	
Quantum 542	1.4	2.2	2.0	1.0	1.0	0.6	1.0	10.7	21.7	
Big Horn	3.6	3.3	3.0	1.7	1.8	2.1	1.0	40.5	21.1	
Clearfield	--	--	--	--	--	--	0.9	--	17.9	
Nuwest **	0.5	0.4	1.7	0.9	1.0	0.6	0.8	11.7	17.6	
Cheyenne	--	0.6	--	--	0.1	0.1	0.7	--	15.2	
Big Sky	--	--	--	--	--	0.9	0.7	16.5	15.2	
Nufrontier	--	--	--	0.3	1.5	1.2	0.6	22.2	13.2	
Erhardt	--	--	0.2	0.4	1.1	0.4	0.5	7.6	10.6	
Harding	--	--	--	--	0.1	0.1	0.5	1.0	9.9	
Other & Unknown	17.2	13.9	10.1	10.0	13.0	10.3	8.6	199.3	184.9	
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,900.0	2,150.0	

1/ Hard red variety unless otherwise noted. 2/ Revised. \*\*White wheat variety.

Winter Wheat: 2004 Seeded Acreage and Percent of Total Seeded by Districts 1/																
Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	3.3	36.2	482.9	43.0	4.3	5.7	42.6	11.0	1.9	12.0	7.1	3.9	1.3	1.2	543.4	28.6
Neeley	0.6	6.2	74.1	6.6	14.7	19.6	154.0	39.8	5.9	36.7	41.4	22.6	1.9	1.8	292.6	15.4
Tiber	0.0	0.0	40.4	3.6	15.4	20.5	42.2	10.9	0.0	0.0	49.4	27.0	29.0	27.1	176.4	9.3
Vanguard	0.6	6.8	113.4	10.1	0.0	0.0	27.5	7.1	2.6	16.5	1.1	0.6	0.0	0.0	145.2	7.6
Morgan	0.0	0.0	124.7	11.1	6.2	8.3	8.1	2.1	2.0	12.5	2.4	1.3	0.7	0.7	144.1	7.6
Rocky	0.0	0.0	98.8	8.8	6.6	8.8	5.4	1.4	0.0	0.0	0.0	0.0	2.9	2.7	113.7	6.0
Redwin	0.0	0.0	6.7	0.6	9.8	13.1	1.2	0.3	0.0	0.0	12.4	6.8	15.5	14.5	45.6	2.4
Big Horn	0.0	0.0	21.3	1.9	1.2	1.6	16.6	4.3	0.0	0.0	0.4	0.2	1.0	0.9	40.5	2.1
CDC Falcon	0.1	1.5	12.4	1.1	0.2	0.2	8.5	2.2	0.4	2.6	0.4	0.2	11.6	10.8	33.6	1.8
Tomahawk	0.6	6.2	1.1	0.1	0.0	0.0	6.6	1.7	0.0	0.0	21.6	11.8	0.0	0.0	29.9	1.6
AP 502CL	0.0	0.0	3.4	0.3	0.0	0.0	16.6	4.3	0.8	5.0	6.0	3.3	0.0	0.0	26.8	1.4
Judith	0.0	0.0	23.6	2.1	0.0	0.0	1.2	0.3	0.0	0.0	0.4	0.2	0.0	0.0	25.2	1.3
Nufrontier	0.0	0.0	21.3	1.9	0.0	0.0	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	23.6	1.2
Big Sky	0.0	0.0	7.9	0.7	0.0	0.0	7.7	2.0	0.0	0.0	0.9	0.5	0.0	0.0	16.5	0.9
Promontory	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.2	0.0	0.0	4.4	2.4	3.4	3.2	16.3	0.8
Winalta	0.0	0.0	0.0	0.0	2.2	3.0	0.8	0.2	0.0	0.0	0.0	0.0	9.5	8.9	12.5	0.7
Pryor	0.0	0.0	6.7	0.6	2.8	3.7	1.9	0.5	0.6	3.7	0.0	0.0	0.0	0.0	12.0	0.6
Nuwest **	0.0	0.0	6.7	0.6	0.0	0.0	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.6
Quantum 542	0.0	0.0	9.0	0.8	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	1.3	1.2	10.7	0.6
Centurk	0.0	0.0	9.0	0.8	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	9.4	0.5
Other & Unknown	3.8	43.1	59.6	5.3	11.6	15.5	29.5	7.6	1.8	11.0	35.1	19.2	28.9	27.0	170.3	9.0
All Varieties	9.0	100.0	1,123.0	100.0	75.0	100.0	387.0	100.0	16.0	100.0	183.0	100.0	107.0	100.0	1,900.0	100.0

1/ Revised. 2/ Hard red variety unless otherwise noted. \*\*White wheat variety.

### Spring Wheat: 2005 Seeded Acreage and Percent of Total Seeded by Districts

Variety 1/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	4.7	16.8	238.6	22.3	317.2	30.5	92.9	40.4	23.1	47.1	43.1	53.9	28.6	27.8	748.2	28.8
Reeder	0.3	1.1	10.7	1.0	521.0	50.1	51.8	22.5	0.0	0.0	6.0	7.5	23.4	22.7	613.2	23.6
Ernest	0.0	0.0	232.2	21.7	48.9	4.7	11.0	4.8	0.0	0.0	2.2	2.7	4.3	4.2	298.6	11.5
Conan	0.0	0.0	202.2	18.9	4.2	0.4	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	208.2	8.0
Fortuna	0.0	0.0	149.8	14.0	4.2	0.4	7.6	3.3	0.0	0.0	6.3	7.9	0.0	0.0	167.9	6.5
Hank	6.1	21.8	25.7	2.4	4.2	0.4	10.1	4.4	9.7	19.8	5.0	6.2	0.0	0.0	60.8	2.4
Amidon	0.7	2.5	9.6	0.9	44.7	4.3	0.2	0.1	0.0	0.0	0.3	0.4	3.1	3.0	58.6	2.2
Scholar	0.0	0.0	30.0	2.8	8.3	0.8	5.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	43.4	1.6
Lew	0.0	0.0	33.2	3.1	5.2	0.5	0.7	0.3	0.0	0.0	0.0	0.0	1.8	1.7	40.9	1.6
Choteau	0.0	0.0	27.8	2.6	9.4	0.9	3.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	40.9	1.6
Westbred Rambo	0.0	0.0	31.0	2.9	1.0	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	32.5	1.3
Westbred 936	0.1	0.4	5.3	0.5	0.0	0.0	12.7	5.5	5.4	11.0	0.0	0.0	5.1	5.0	28.6	1.1
Westbred 926	6.4	22.8	7.5	0.7	0.0	0.0	3.7	1.6	1.2	2.5	3.3	4.1	0.5	0.5	22.6	0.9
Parshall	0.0	0.0	0.0	0.0	17.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.7	21.5	0.8
Gunner	0.0	0.0	0.0	0.0	16.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.7
Len	0.0	0.0	0.0	0.0	9.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.5	11.0	0.4
Grandin	0.0	0.0	0.0	0.0	5.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.9	10.2	0.4
Abbey	0.0	0.0	9.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.3
Westbred Express	2.8	10.0	1.1	0.1	0.0	0.0	1.1	0.5	1.4	2.9	1.0	1.3	0.0	0.0	7.4	0.3
Newana	0.0	0.0	1.1	0.1	3.1	0.3	0.5	0.2	0.5	1.0	0.1	0.1	1.2	1.1	6.5	0.2
Other & Unknown	6.9	24.6	54.6	5.1	19.7	1.9	26.6	11.6	7.7	15.7	12.7	15.9	24.6	23.9	152.8	5.8
All Varieties	28.0	100.0	1,070.0	100.0	1,040.0	100.0	230.0	100.0	49.0	100.0	80.0	100.0	103.0	100.0	2,600.0	100.0

1/ Hard red variety unless otherwise noted.

### Spring Wheat: Percent of Total Seeded Acreage 1999-2005 & Seeded Acreage 2004-2005

Variety 1/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1999	2000	2001	2002	2003	2004 2/	2005	2004 2/	2005
McNeal	40.4	48.8	49.2	38.8	35.9	31.7	28.8	950.1	748.2
Reeder	--	0.1	3.4	9.1	18.4	22.7	23.6	681.8	613.2
Ernest	9.4	10.7	10.1	11.4	11.0	10.0	11.5	300.9	298.6
Conan	--	1.0	3.1	5.0	3.7	7.1	8.0	214.2	208.2
Fortuna	5.0	4.9	5.1	7.8	3.8	4.6	6.5	137.5	167.9
Hank	--	--	--	0.3	1.2	1.7	2.4	50.4	60.8
Amidon	14.2	10.9	7.8	6.2	4.0	3.0	2.2	89.3	58.6
Scholar	--	--	0.5	1.9	3.0	2.2	1.6	67.3	43.4
Lew	1.3	0.9	1.2	1.8	2.8	2.4	1.6	70.8	40.9
Choteau	--	--	--	--	--	--	1.6	--	40.9
Westbred Rambo	6.7	5.3	3.2	3.8	2.7	3.2	1.3	94.4	32.5
Westbred 936	1.7	3.5	1.5	1.1	1.1	0.9	1.1	28.2	28.6
Westbred 926	2.5	2.2	1.8	1.5	1.1	0.9	0.9	26.9	22.6
Parshall	--	--	0.5	1.4	1.6	1.1	0.8	32.9	21.5
Gunner	--	--	--	0.4	0.8	0.5	0.7	13.5	16.6
Len	1.2	1.6	1.2	0.8	0.5	0.5	0.4	16.2	11.0
Grandin	3.1	3.3	1.3	1.3	1.0	0.8	0.4	25.2	10.2
Abbey	--	--	--	--	--	--	0.3	--	9.6
Westbred Express	--	--	--	--	--	--	0.3	--	7.4
Newana	1.2	0.9	0.6	0.3	0.3	0.5	0.2	14.8	6.5
Other & Unknown	13.3	5.9	9.5	7.1	7.1	6.2	5.8	185.6	152.8
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	3,000.0	2,600.0

1/ Hard red variety unless otherwise noted. 2/ Revised.

### Spring Wheat: 2004 Seeded Acreage and Percent of Total Seeded by Districts 1/

Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	3.6	12.8	300.6	25.8	442.2	33.2	116.4	54.9	21.2	39.3	29.9	39.8	36.2	27.0	950.1	31.7
Reeder	0.8	2.7	12.8	1.1	607.4	45.6	27.3	12.9	0.0	0.0	8.7	11.6	24.8	18.5	681.8	22.7
Ernest	0.0	0.0	238.8	20.5	49.3	3.7	4.7	2.2	0.4	0.8	0.2	0.3	7.5	5.6	300.9	10.0
Conan	0.0	0.0	202.7	17.4	1.3	0.1	4.7	2.2	1.5	2.7	2.8	3.7	1.2	0.9	214.2	7.1
Fortuna	0.0	0.0	116.5	10.0	8.0	0.6	8.7	4.1	0.9	1.7	2.9	3.9	0.5	0.4	137.5	4.6
Westbred Rambo	1.0	3.4	83.9	7.2	8.0	0.6	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	94.4	3.2
Arnidon	0.0	0.0	32.6	2.8	53.3	4.0	0.8	0.4	0.0	0.0	0.5	0.6	2.1	1.6	89.3	3.0
Lew	0.0	0.0	44.3	3.8	20.0	1.5	0.0	0.0	0.0	0.0	6.0	8.0	0.5	0.4	70.8	2.4
Scholar	0.0	0.0	45.4	3.9	17.3	1.3	3.2	1.5	0.0	0.0	1.4	1.9	0.0	0.0	67.3	2.2
Hank	3.9	14.1	22.1	1.9	0.0	0.0	13.4	6.3	8.2	15.2	1.9	2.5	0.9	0.7	50.4	1.7
Parshall	0.0	0.0	0.0	0.0	25.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0	7.6	5.7	32.9	1.1
Westbred 936	3.4	12.1	3.5	0.3	0.0	0.0	3.0	1.4	12.3	22.7	0.2	0.2	5.8	4.3	28.2	0.9
Westbred 926	8.3	29.7	4.7	0.4	0.0	0.0	8.9	4.2	2.1	3.8	0.5	0.6	2.4	1.8	26.9	0.9
Grandin	0.0	0.0	0.0	0.0	14.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	10.5	7.8	25.2	0.8
Len	0.0	0.0	0.0	0.0	12.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.1	16.2	0.5
Newana	0.0	0.0	5.8	0.5	0.0	0.0	1.5	0.7	0.1	0.1	2.3	3.1	5.1	3.8	14.8	0.5
Gunner	0.0	0.0	0.0	0.0	13.3	1.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.5
Hi-Line	0.0	0.0	9.3	0.8	0.0	0.0	0.0	0.0	0.8	1.5	0.0	0.0	2.3	1.7	12.4	0.4
Golden 86 **	0.0	0.0	0.0	0.0	0.0	0.0	8.1	3.8	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.3
Butte 86	0.0	0.0	3.5	0.3	2.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.3	7.9	0.3
Other & Unknown	7.0	25.2	38.5	3.3	57.2	4.3	9.6	4.6	6.5	12.2	17.7	23.8	20.7	15.4	157.2	5.2
All Varieties	28.0	100.0	1,165.0	100.0	1,332.0	100.0	212.0	100.0	54.0	100.0	75.0	100.0	134.0	100.0	3,000.0	100.0

1/ Revised. 2/ Hard red variety unless otherwise noted. \*\*White wheat variety.

### Durum Wheat: 2005 Seeded Acreage and Percent of Total Seeded by Districts

Variety	North Central		Northeast		Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Mountrail	0.0	0.0	285.2	57.5	0.0	0.0	3.7	24.7	288.9	50.6
Kyle	15.2	29.2	106.1	21.4	0.0	0.0	0.0	0.0	121.3	21.3
AC Avonlea	5.5	10.6	25.3	5.1	0.0	0.0	0.0	0.0	30.8	5.4
Lebsock	1.4	2.7	28.3	5.7	0.0	0.0	0.0	0.0	29.7	5.2
Alzada	11.1	21.3	0.0	0.0	0.0	0.0	0.0	0.0	11.1	1.9
Monroe	0.0	0.0	10.4	2.1	0.0	0.0	0.0	0.0	10.4	1.8
Ward	0.0	0.0	7.4	1.5	0.0	0.0	2.4	16.0	9.8	1.7
Pierce	0.0	0.0	6.9	1.4	0.0	0.0	0.0	0.0	6.9	1.2
Ben	1.6	3.1	1.0	0.2	0.0	0.0	3.4	22.7	6.0	1.1
Vic	0.0	0.0	5.0	1.0	0.0	0.0	0.0	0.0	5.0	0.9
Maier	0.0	0.0	2.0	0.4	0.0	0.0	2.0	13.3	4.0	0.7
Plaza	0.0	0.0	4.0	0.8	0.0	0.0	0.0	0.0	4.0	0.7
Voss	1.3	2.5	0.2	0.0	0.0	0.0	0.0	0.0	1.5	0.3
Crosby	0.0	0.0	1.4	0.3	0.0	0.0	0.0	0.0	1.4	0.3
Renville	0.0	0.0	0.0	0.0	0.0	0.0	1.2	8.0	1.2	0.2
Other & Unknown	15.9	30.6	12.8	2.6	7.0	100.0	2.3	15.3	38.0	6.7
All Varieties	52.0	100.0	496.0	100.0	7.0	100.0	15.0	100.0	570.0	100.0

<b>Durum Wheat: Percent of Total Seeded Acreage 1999-2005 &amp; Seeded Acreage 2004-2005</b>									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1999	2000	2001	2002	2003	2004 1/	2005	2004 1/	2005
Mountrail	--	0.9	9.6	26.9	35.7	42.1	50.6	240.2	288.9
Kyle	55.3	52.5	45.3	40.2	38.0	34.1	21.3	194.3	121.3
AC Avonlea	--	1.4	3.9	3.4	4.3	7.2	5.4	41.3	30.8
Lebsock	--	--	--	0.3	3.4	2.3	5.2	13.2	29.7
Alzada	--	--	--	--	--	--	1.9	--	11.1
Monroe	4.8	2.9	3.3	1.2	3.4	1.7	1.8	9.4	10.4
Ward	4.4	2.3	3.1	2.8	2.4	2.8	1.7	16.2	9.8
Pierce	--	--	--	--	--	--	1.2	--	6.9
Ben	4.1	7.8	8.0	5.6	4.3	2.6	1.1	14.7	6.0
Vic	8.1	2.6	1.6	1.4	0.1	0.7	0.9	4.2	5.0
Maier	--	--	0.7	--	0.3	0.4	0.7	2.2	4.0
Plaza	--	--	0.1	0.8	0.8	0.4	0.7	2.2	4.0
Voss	--	--	0.3	0.3	0.6	0.5	0.3	2.8	1.5
Crosby	0.9	0.4	0.3	0.3	0.4	0.2	0.3	1.0	1.4
Renville	5.3	5.3	6.5	2.8	2.1	0.1	0.2	--	1.2
Other & Unknown	17.1	23.9	17.3	14.0	4.2	4.9	6.7	28.3	38.0
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	570.0	570.0

1/ Revised.

<b>Durum Wheat: 2004 Seeded Acreage and Percent of Total Seeded by Districts 1/</b>										
Variety	North Central		Northeast		Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Mountrail	0.8	2.7	234.4	44.9	0.0	0.0	5.0	39.9	240.2	42.1
Kyle	8.3	29.8	180.6	34.6	5.4	72.2	0.0	0.0	194.3	34.1
AC Avonlea	4.7	16.9	34.5	6.6	2.1	27.8	0.0	0.0	41.3	7.2
Ward	0.0	0.0	16.2	3.1	0.0	0.0	0.0	0.0	16.2	2.8
Ben	0.7	2.7	9.4	1.8	0.0	0.0	4.6	36.3	14.7	2.6
Lebsock	1.1	3.8	12.0	2.3	0.0	0.0	0.1	0.7	13.2	2.3
Monroe	0.0	0.0	9.4	1.8	0.0	0.0	0.0	0.0	9.4	1.7
Vic	0.0	0.0	4.2	0.8	0.0	0.0	0.0	0.0	4.2	0.7
Voss	2.8	10.2	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.5
Maier	0.0	0.0	0.0	0.0	0.0	0.0	2.2	17.5	2.2	0.4
Plaza	0.1	0.2	2.1	0.4	0.0	0.0	0.0	0.0	2.2	0.4
Crosby	0.0	0.0	1.0	0.2	0.0	0.0	0.0	0.0	1.0	0.2
Sceptre	0.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.2
Other & Unknown	8.5	30.6	18.2	3.5	0.0	0.0	0.7	5.6	27.4	4.8
All Varieties	27.9	100.0	522.0	100.0	7.5	100.0	12.6	100.0	570.0	100.0

1/ Revised.

# Montana Wheat Varieties 2004



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Released: July 23, 2004 - Corrected

## WINTER WHEAT

**Rampart** acreage continues to climb, with 516,100 acres seeded this year, compared to last year's acreage of 463,400. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

**Neeley** remains in second place this year with 295,800 acres seeded, which accounts for 16 percent of the total winter wheat acreage in the state. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety with intermediate maturity.

**Tiber** remains in third place with 173,200 acres seeded, which is up from last year's acreage of 170,700. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance, and good winter hardiness (similar to Redfin). Tiber's resistance to lodging and shattering is equal to Redfin, but shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust.

**Morgan** became the fourth leading variety in the state this year, replacing Rocky. A total of 140,400 acres were seeded, which accounts for 7.6 of the total acres seeded. Morgan is a semi-dwarf hard red winter wheat developed by the Crop Development Centre (CDC) at the University of Saskatchewan. It is recommended for the high winter stress areas of Montana and North Dakota.

The four top varieties (Rampart, Neeley, Tiber, and Morgan) account for 60.8 percent of the winter wheat acreage seeded for harvest in 2004. The top four varieties seeded for 2003 accounted for 60.0 percent of the total winter wheat acreage for the state.

## SPRING WHEAT

**McNeal** is the leading spring wheat variety seeded for the seventh consecutive year, accounting for 31.7 percent of the acreage, or 903,900 acres, which is down more than 100,000 acres from 2003. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly.

**Reader** remains in second place with 622,500 acres seeded this year, which is up from last year's acreage of 525,100. Reader was developed from a cross of a relative of Stop and germplasm from a program in Brazil. Produced by the North Dakota Agricultural Experiment Station and released in 1999, Reader is resistant to upper mid-west stem and leaf rust.

**Ernest** stays in third place this year with 289,100 acres seeded, which accounts for 10.2 percent of the spring wheat acres seeded in Montana. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed, hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

**Conan** joins the top four list this year with 208,300 acres seeded, or 7.3 percent of the state's spring wheat acreage. Conan was developed by the Western Plant Breeders and released in 1997. It is a white chaffed, semidwarf, sawfly tolerant, hard red spring wheat. It is resistant to prevalent races of stripe rust and leaf rust, and has shown good tolerance to septoria and tan spot.

The top four varieties (McNeal, Reader, Ernest, and Conan) account for 71.0 percent of the spring wheat acreage seeded for harvest in 2004. The top four varieties seeded for 2003 accounted for 69.4 percent of the total spring wheat acreage for the state.

This was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

## DURUM WHEAT

**Mountrail** overtakes Kyle this year to become the top durum wheat variety in the state, with 245,300 acres seeded, or 40.9 percent of the durum wheat acreage. Mountrail was developed from the cross of D8479 and Renville by the North Dakota Agricultural Experiment Station, and was released in 1999. The variety has a high semolina extract with strong gluten. It is resistant to both leaf and stem rusts.

**Kyle** falls to second place this year, after spending seven consecutive years at the top. There were 203,600 acres seeded in the state, accounting for 33.9 percent of the total acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and Septoria leaf spot and susceptible to loose smut.

**AC Avonlea** became the third most popular variety this year with 45,100 acres seeded or 7.5 percent of the state's durum wheat. AC Avonlea durum wheat, a high

protein, high yield variety, was registered in 1997. AC Avonlea was developed at the Semiarid Prairie Agricultural Research Centre (SPARC) of Agriculture and Agri-Food Canada, Swift Current. It is a medium height variety. AC Avonlea has slightly better resistance to the leaf disease tan spot than Kyle.

**Ward** joins the top four list this year, with 16,500 acres seeded, or 2.8 percent of the state's durum wheat acreage. Ward was developed by the North Dakota Agricultural Experiment Station in cooperation with the Agricultural Research Service, USDA, and was released in 1972. It is an awned variety with yellow glumes, with high yield potential, good straw and disease resistance and a low incidence of leaf spotting.

The top four varieties (Mountrail, Kyle, AC Avonlea, and Ward) account for 85.1 percent of the total durum wheat acreage in the state for 2004. The top four varieties in 2003 accounted for 82.4 percent of the total durum wheat acreage.

**Winter Wheat: 2004 Seeded Acreage and Percent of Total Seeded by Districts 1/**

Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	4.7	36.2	451.5	43.0	6.2	5.7	42.4	11.0	3.6	12.0	6.6	3.9	1.1	1.2	516.1	27.9
Neeley	0.8	6.2	69.3	6.6	21.4	19.6	153.2	39.8	11.0	36.7	38.4	22.6	1.7	1.8	295.8	16.0
Tiber	0.0	0.0	37.8	3.6	22.3	20.5	42.0	10.9	0.0	0.0	45.9	27.0	25.2	27.1	173.2	9.4
Morgan	0.0	0.0	116.6	11.1	9.0	8.3	8.1	2.1	3.8	12.5	2.2	1.3	0.7	0.7	140.4	7.6
Vanguard	0.9	6.8	106.1	10.1	0.0	0.0	27.3	7.1	5.0	16.5	1.0	0.6	0.0	0.0	140.3	7.6
Rocky	0.0	0.0	92.4	8.8	9.6	8.8	5.4	1.4	0.0	0.0	0.0	0.0	2.5	2.7	109.9	5.9
Redwin	0.0	0.0	6.3	0.6	14.3	13.1	1.2	0.3	0.0	0.0	11.6	6.8	13.5	14.5	46.9	2.5
Big Horn	0.0	0.0	20.0	1.9	1.7	1.6	16.6	4.3	0.0	0.0	0.3	0.2	0.8	0.9	39.4	2.1
CDC Falcon	0.2	1.5	11.6	1.1	0.2	0.2	8.5	2.2	0.8	2.6	0.3	0.2	10.0	10.8	31.6	1.7
Tomahawk	0.8	6.2	1.1	0.1	0.0	0.0	6.5	1.7	0.0	0.0	20.1	11.8	0.0	0.0	28.5	1.5
AP 502CL	0.0	0.0	3.2	0.3	0.0	0.0	16.6	4.3	1.5	5.0	5.6	3.3	0.0	0.0	26.9	1.5
Judith	0.0	0.0	22.1	2.1	0.0	0.0	1.2	0.3	0.0	0.0	0.3	0.2	0.0	0.0	23.6	1.3
Nufortier	0.0	0.0	20.0	1.9	0.0	0.0	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	22.3	1.2
Big Sky	0.0	0.0	7.4	0.7	0.0	0.0	7.7	2.0	0.0	0.0	0.9	0.5	0.0	0.0	16.0	0.9
Promontory	0.0	0.0	0.0	0.0	0.0	0.0	8.5	2.2	0.1	0.3	4.1	2.4	3.0	3.2	15.7	0.8
Pryor	0.0	0.0	6.3	0.6	4.0	3.7	1.9	0.5	1.1	3.7	0.0	0.0	0.0	0.0	13.3	0.7
Winalta	0.0	0.0	0.0	0.0	3.3	3.0	0.8	0.2	0.0	0.0	0.0	0.0	8.3	8.9	12.4	0.7
Nuwest **	0.0	0.0	6.3	0.6	0.0	0.0	5.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	11.3	0.6
Quantum 542	0.0	0.0	8.4	0.8	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	1.1	1.2	9.9	0.5
Centurk	0.0	0.0	8.4	0.8	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.5
Other & Unknown	5.6	43.1	55.2	5.3	17.0	15.5	29.0	7.6	3.1	10.7	32.7	19.2	25.1	27.0	167.7	9.1
All Varieties	13.0	100.0	1,050.0	100.0	109.0	100.0	385.0	100.0	30.0	100.0	170.0	100.0	93.0	100.0	1,850.0	100.0

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. \*\*White wheat variety.

### Winter Wheat: Percent of Total Seeded Acreage 1998-2004 & Seeded Acreage 2003-2004 1/

Variety 2/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1998	1999	2000	2001	2002	2003 3/	2004	2003 3/	2004
Rampart	1.8	9.0	13.8	15.9	19.6	25.7	27.9	463.4	516.1
Neeley	20.0	20.8	19.2	22.6	19.9	16.8	16.0	302.0	295.8
Tiber	14.2	17.3	11.3	10.9	11.2	9.5	9.4	170.7	173.2
Morgan	2.2	7.0	8.3	10.0	7.3	7.3	7.6	131.7	140.4
Vanguard	10.3	7.0	9.4	6.7	9.1	6.7	7.6	121.5	140.3
Rocky	13.4	8.2	6.9	8.9	11.1	8.0	5.9	143.9	109.9
Redwin	6.1	4.7	6.4	4.0	5.0	3.0	2.5	54.5	46.9
Big Horn	3.5	3.6	3.3	3.0	1.7	1.8	2.1	32.3	39.4
CDC Falcon	--	--	--	--	--	0.4	1.7	7.2	31.6
Tomahawk	0.2	0.6	0.9	1.2	0.9	0.5	1.5	9.8	28.5
AP 502 CL	--	--	--	--	--	0.4	1.5	7.2	26.9
Judith	4.3	1.0	2.3	0.3	0.5	--	1.3	--	23.6
Nufrontier	--	--	--	--	0.3	1.5	1.2	26.5	22.3
Big Sky	--	--	--	--	--	--	0.9	--	16.0
Promontory	0.7	--	--	0.4	0.2	1.3	0.8	23.1	15.7
Pryor	--	--	--	--	--	--	0.7	--	13.3
Winalta	2.9	1.7	1.1	2.1	0.9	1.2	0.7	20.7	12.4
Nuwest **	--	0.5	0.4	1.7	0.9	1.0	0.6	17.3	11.3
Quantum 542	1.0	1.4	2.2	2.0	1.0	1.0	0.5	17.7	9.9
Centurk	0.9	0.9	0.5	0.4	0.4	0.8	0.5	14.9	8.8
Other & Unknown	18.5	16.3	14.0	9.9	10.0	13.1	9.1	235.6	167.7
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,800.0	1,850.0

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. 3/ Revised. \*\*White wheat variety.

### Winter Wheat: 2003 Seeded Acreage and Percent of Total Seeded by Districts 1/, 2/

Variety 3/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	0.0	0.0	415.5	41.1	0.5	0.5	33.1	9.0	1.6	5.3	9.8	5.5	2.9	2.6	463.4	25.7
Neeley	1.3	16.0	74.8	7.4	9.8	10.7	152.0	41.3	21.4	71.3	37.9	21.2	4.8	4.3	302.0	16.8
Tiber	0.0	0.0	52.6	5.2	20.9	22.7	46.0	12.5	0.7	2.4	23.1	12.9	27.4	24.5	170.7	9.5
Rocky	0.0	0.0	124.4	12.3	1.6	1.7	17.7	4.8	0.0	0.0	0.0	0.0	0.2	0.2	143.9	8.0
Morgan	0.0	0.0	104.1	10.3	7.3	7.9	11.4	3.1	3.0	10.0	1.1	0.6	4.8	4.3	131.7	7.3
Vanguard	0.0	0.0	99.1	9.8	0.0	0.0	19.9	5.4	0.0	0.0	2.5	1.4	0.0	0.0	121.5	6.7
Redwin	0.0	0.0	8.1	0.8	12.5	13.6	0.4	0.1	0.0	0.0	27.7	15.5	5.8	5.2	54.5	3.0
Big Horn	0.0	0.0	9.1	0.9	0.0	0.0	22.4	6.1	0.0	0.0	0.5	0.3	0.3	0.3	32.3	1.8
Nufrontier	0.0	0.0	18.2	1.8	0.0	0.0	0.7	0.2	0.0	0.0	1.1	0.6	6.5	5.8	26.5	1.5
Promontory	0.0	0.0	0.0	0.0	0.0	0.0	9.9	2.7	0.2	0.7	12.9	7.2	0.1	0.1	23.1	1.3
Winalta	0.0	0.0	2.0	0.2	8.6	9.4	0.0	0.0	0.0	0.0	0.0	0.0	10.1	9.0	20.7	1.2
Erhardt	0.0	0.0	0.0	0.0	1.3	1.4	1.5	0.4	0.0	0.0	0.0	0.0	15.1	13.5	17.9	1.0
Quantum 542	0.0	0.0	12.1	1.2	0.0	0.0	4.0	1.1	0.0	0.0	1.6	0.9	0.0	0.0	17.7	1.0
Roughrider	0.0	0.0	0.0	0.0	5.5	6.0	0.7	0.2	0.0	0.0	0.0	0.0	11.3	10.1	17.5	1.0
Nuwest **	0.0	0.0	12.1	1.2	0.0	0.0	5.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	17.3	1.0
Centurk	0.0	0.0	13.1	1.3	0.0	0.0	1.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	14.9	0.8
Warrior	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	3.7	4.9	4.4	11.5	0.6
Norstar	0.0	0.0	6.1	0.6	2.5	2.7	1.5	0.4	0.0	0.0	0.0	0.0	0.7	0.6	10.8	0.6
Tomahawk	0.4	5.3	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	9.0	5.0	0.0	0.0	9.8	0.5
Prowers	0.0	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	8.8	4.9	0.0	0.0	9.8	0.5
Kestrel	0.0	0.0	2.0	0.2	1.5	1.6	5.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.5
Goldenspike	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.0	0.0	7.9	4.4	0.0	0.0	8.6	0.5
Other & Unknown	6.3	78.7	56.7	5.6	20.0	21.8	33.2	9.0	3.1	10.3	28.5	15.9	17.1	15.1	164.9	9.2
All Varieties	8.0	100.0	1,011.0	100.0	92.0	100.0	368.0	100.0	30.0	100.0	179.0	100.0	112.0	100.0	1,800.0	100.0

1/ Columns may not sum to all varieties due to rounding. 2/ Revised. 3/ Hard red variety unless otherwise noted. \*\*White wheat variety.

### Spring Wheat: 2004 Seeded Acreage and Percent of Total Seeded by Districts 1/

Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	3.7	12.8	291.5	25.8	398.4	33.2	118.0	54.9	23.6	39.3	32.2	39.8	36.5	27.0	903.9	31.7
Reeder	0.8	2.7	12.4	1.1	547.2	45.6	27.7	12.9	0.0	0.0	9.4	11.6	25.0	18.5	622.5	21.8
Ernest	0.0	0.0	231.7	20.5	44.4	3.7	4.7	2.2	0.5	0.8	0.2	0.3	7.6	5.6	289.1	10.2
Conan	0.0	0.0	196.6	17.4	1.2	0.1	4.7	2.2	1.6	2.7	3.0	3.7	1.2	0.9	208.3	7.3
Fortuna	0.0	0.0	113.0	10.0	7.2	0.6	8.8	4.1	1.0	1.7	3.2	3.9	0.5	0.4	133.7	4.7
Westbred Rambo	1.0	3.4	81.4	7.2	7.2	0.6	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	91.1	3.2
Amidon	0.0	0.0	31.6	2.8	48.0	4.0	0.9	0.4	0.0	0.0	0.5	0.6	2.2	1.6	83.2	2.9
Lew	0.0	0.0	42.9	3.8	18.0	1.5	0.0	0.0	0.0	0.0	6.5	8.0	0.5	0.4	67.9	2.4
Scholar	0.0	0.0	44.1	3.9	15.6	1.3	3.2	1.5	0.0	0.0	1.5	1.9	0.0	0.0	64.4	2.3
Hank	4.1	14.1	21.5	1.9	0.0	0.0	13.5	6.3	9.1	15.2	2.0	2.5	0.9	0.7	51.1	1.8
Parshall	0.0	0.0	0.0	0.0	22.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	7.7	5.7	30.5	1.1
Westbred 936	3.5	12.1	3.4	0.3	0.0	0.0	3.0	1.4	13.6	22.7	0.2	0.2	5.8	4.3	29.5	1.0
Westbred 926	8.6	29.7	4.5	0.4	0.0	0.0	9.0	4.2	2.3	3.8	0.5	0.6	2.4	1.8	27.3	1.0
Grandin	0.0	0.0	0.0	0.0	13.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	10.5	7.8	23.7	0.8
Len	0.0	0.0	0.0	0.0	10.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	4.2	3.1	15.0	0.5
Newana	0.0	0.0	5.7	0.5	0.0	0.0	1.5	0.7	0.1	0.1	2.5	3.1	5.1	3.8	14.9	0.5
Hi-Line	0.0	0.0	9.0	0.8	0.0	0.0	0.0	0.0	0.9	1.5	0.0	0.0	2.3	1.7	12.2	0.4
Gunner	0.0	0.0	0.0	0.0	12.0	1.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.4
Golden 86 **	0.0	0.0	0.0	0.0	0.0	0.0	8.2	3.8	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.3
Butte 86	0.0	0.0	3.4	0.3	2.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.3	7.6	0.3
Other & Unknown	7.3	25.2	37.3	3.3	51.6	4.3	10.1	4.6	7.3	12.2	19.3	23.8	20.8	15.4	153.7	5.4
All Varieties	29.0	100.0	1,130.0	100.0	1,200.0	100.0	215.0	100.0	60.0	100.0	81.0	100.0	135.0	100.0	2,850.0	100.0

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. \*\*White wheat variety.

### Spring Wheat: Percent of Total Seeded Acreage 1998-2004 & Seeded Acreage 2003-2004 1/

Variety 2/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1998	1999	2000	2001	2002	2003 3/	2004	2003 3/	2004
McNeal	26.5	40.4	48.8	49.2	38.8	35.9	31.7	1,023.7	903.9
Reeder	--	--	0.1	3.4	9.1	18.4	21.8	525.1	622.5
Ernest	7.6	9.4	10.7	10.1	11.4	11.0	10.2	313.1	289.1
Conan	--	--	1.0	3.1	5.0	3.7	7.3	105.6	208.3
Fortuna	6.5	5.0	4.9	5.1	7.8	3.8	4.7	108.6	133.7
Westbred Rambo	7.9	6.7	5.3	3.2	3.8	2.7	3.2	76.1	91.1
Amidon	17.2	14.2	10.9	7.8	6.2	4.0	2.9	115.0	83.2
Lew	1.8	1.3	0.9	1.2	1.8	2.8	2.4	79.2	67.9
Scholar	--	--	--	0.5	1.9	3.0	2.3	84.5	64.4
Hank	--	--	--	--	0.3	1.2	1.8	33.7	51.1
Parshall	--	--	--	0.5	1.4	1.6	1.1	45.5	30.5
Westbred 936	1.6	1.7	3.5	1.5	1.1	1.1	1.0	30.3	29.5
Westbred 926	1.8	2.5	2.2	1.8	1.5	1.1	1.0	31.0	27.3
Grandin	6.2	3.1	3.3	1.3	1.3	1.0	0.8	29.6	23.7
Len	1.8	1.2	1.6	1.2	0.8	0.5	0.5	15.1	15.0
Newana	2.0	1.2	0.9	0.6	0.3	0.3	0.5	8.4	14.9
Hi-Line	3.0	1.7	1.1	1.4	0.6	0.4	0.4	10.9	12.2
Gunner	--	--	--	--	0.4	0.8	0.4	24.2	12.2
Golden 86 **	--	--	--	--	--	--	0.3	--	8.2
Butte 86	--	--	--	--	0.5	0.2	0.3	5.7	7.6
Other & Unknown	16.1	11.6	4.8	8.1	6.0	6.5	5.4	184.7	153.7
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2,850.0	2,850.0

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. 3/ Revised. \*\*White wheat variety.



### Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2003 1/, 2/

Variety 3/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	6.6	21.6	305.2	27.4	521.5	40.9	103.0	51.0	17.1	44.4	31.1	57.6	39.2	28.8	1,023.7	35.9
Reeder	0.0	0.1	13.4	1.2	476.9	37.4	13.7	6.8	3.9	10.0	3.2	5.9	14.0	10.3	525.1	18.4
Ernest	0.0	0.0	238.4	21.4	44.6	3.5	22.8	11.3	0.0	0.0	0.5	0.9	6.8	5.0	313.1	11.0
Amidon	0.0	0.0	34.5	3.1	70.1	5.5	1.0	0.5	0.0	0.0	4.2	7.8	5.2	3.8	115.0	4.0
Fortuna	0.3	1.0	93.6	8.4	7.7	0.6	4.4	2.2	0.0	0.0	2.6	4.9	0.0	0.0	108.6	3.8
Conan	0.0	0.0	101.4	9.1	2.6	0.2	0.6	0.3	0.0	0.0	0.0	0.0	1.0	0.7	105.6	3.7
Scholar	0.0	0.0	64.6	5.8	12.8	1.0	5.3	2.6	0.0	0.0	0.0	0.0	1.8	1.3	84.5	3.0
Lew	0.0	0.0	70.2	6.3	6.4	0.5	0.0	0.0	0.0	0.0	2.3	4.2	0.3	0.2	79.2	2.8
Westbred Rambo	0.0	0.0	63.5	5.7	3.8	0.3	6.3	3.1	0.2	0.5	2.3	4.3	0.0	0.0	76.1	2.7
Parshall	0.0	0.0	0.0	0.0	29.3	2.3	0.0	0.0	0.0	0.0	0.8	1.5	15.4	11.3	45.5	1.6
Hank	5.0	16.3	24.5	2.2	0.0	0.0	3.6	1.8	0.2	0.5	0.4	0.8	0.0	0.0	33.7	1.2
Westbred 926	8.6	28.2	3.3	0.3	0.0	0.0	13.9	6.9	1.1	2.9	2.9	5.4	1.2	0.9	31.0	1.1
Westbred 936	3.1	10.2	8.9	0.8	0.0	0.0	6.5	3.2	11.8	30.7	0.0	0.0	0.0	0.0	30.3	1.1
Grandin	0.0	0.0	0.0	0.0	14.0	1.1	0.0	0.0	0.0	0.0	0.9	1.6	14.7	10.8	29.6	1.0
Gunner	0.0	0.0	0.0	0.0	24.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2	0.8
Len	0.0	0.0	0.0	0.0	14.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.8	15.1	0.5
Stoa	0.0	0.0	0.0	0.0	10.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.8	12.6	0.4
Kuim	0.0	0.0	0.0	0.0	8.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.1	11.8	0.4
Hi-Line	0.0	0.0	4.5	0.4	2.6	0.2	1.0	0.5	2.8	7.3	0.0	0.0	0.0	0.0	10.9	0.4
Abbey	0.0	0.0	10.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.4
Newana	0.0	0.0	2.2	0.2	2.6	0.2	1.4	0.7	0.6	1.6	0.4	0.7	1.2	0.9	8.4	0.3
Butte 86	0.0	0.0	2.2	0.2	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.6	5.7	0.2
Other & Unknown	6.9	22.6	73.6	6.6	21.5	1.7	18.5	9.1	0.8	2.1	2.4	4.4	26.6	19.7	150.3	5.3
All Varieties	30.5	100.0	1,114.0	100.0	1,275.0	100.0	202.0	100.0	38.5	100.0	54.0	100.0	136.0	100.0	2,850.0	100.0

1/ Columns may not sum to all varieties due to rounding. 2/ Revised. 3/ Hard red variety unless otherwise noted.

### Durum Wheat: 2004 Seeded Acreage and Percent of Total Seeded by Districts 1/

Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Mountrail	1.2	2.7	238.4	44.9	0.0	0.0	5.7	39.9	0.0	0.0	245.3	40.9
Kyle	13.4	29.8	183.7	34.6	6.5	72.2	0.0	0.0	0.0	0.0	203.6	33.9
AC Avonlea	7.6	16.9	35.0	6.6	2.5	27.8	0.0	0.0	0.0	0.0	45.1	7.5
Ward	0.0	0.0	16.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	16.5	2.8
Ben	1.2	2.7	9.6	1.8	0.0	0.0	5.2	36.3	0.0	0.0	16.0	2.7
Lebsock	1.7	3.8	12.2	2.3	0.0	0.0	0.1	0.7	0.0	0.0	14.0	2.3
Monroe	0.0	0.0	9.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	9.6	1.6
Voss	4.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.8
Vic	0.0	0.0	4.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.7
Maier	0.0	0.0	0.0	0.0	0.0	0.0	2.5	17.5	0.0	0.0	2.5	0.4
Plaza	0.1	0.2	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.4
Sceptre	1.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.2
Crosby	0.0	0.0	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.2
Kamut	0.0	0.0	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.2
Other & Unknown	13.8	30.6	17.5	3.3	0.0	0.0	0.8	5.6	0.7	100.0	32.8	5.4
All Varieties	45.0	100.0	531.0	100.0	9.0	100.0	14.3	100.0	0.7	100.0	600.0	100.0

1/ Columns may not sum to all varieties due to rounding.

**Durum Wheat: Percent of Total Seeded Acreage 1998-2004 & Seeded Acreage 2003-2004 1/**

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1998	1999	2000	2001	2002	2003 2/	2004	2003 2/	2004
Mountrail	--	--	0.9	9.6	26.9	35.7	40.9	228.4	245.3
Kyle	44.5	55.3	52.5	45.3	40.2	38.0	33.9	243.5	203.6
AC Avonlea	--	--	1.4	3.9	3.4	4.3	7.5	27.8	45.1
Ward	1.9	4.4	2.3	3.1	2.8	2.4	2.8	15.6	16.5
Ben	0.2	4.1	7.8	8.0	5.6	4.3	2.7	27.7	16.0
Lebsock	--	--	--	--	0.3	3.4	2.3	21.9	14.0
Monroe	7.4	4.8	2.9	3.3	1.2	3.4	1.6	21.9	9.6
Voss	4.2	--	--	0.3	0.3	0.6	0.8	3.9	4.6
Vic	8.6	8.1	2.6	1.6	1.4	--	0.7	--	4.2
Maier	--	--	--	--	--	0.3	0.4	2.1	2.5
Plaza	--	--	--	--	0.8	0.8	0.4	5.2	2.2
Sceptre	6.8	3.4	2.9	1.5	1.3	--	0.2	--	1.4
Crosby	0.7	0.9	0.4	0.3	0.3	0.4	0.2	2.3	1.1
Kamut	--	--	--	--	--	0.4	0.2	2.6	1.1
Other & Unknown	25.7	19.0	26.3	23.1	15.5	6.0	5.4	37.1	32.8
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	640.0	600.0

1/ Columns may not sum to all varieties due to rounding. 2/ Revised.

**Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2003 1/, 2/**

Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	10.6	27.2	226.2	39.2	6.5	75.0	0.0	0.0	0.2	50.0	243.5	38.0
Mountrail	0.0	0.0	225.6	39.1	1.0	11.9	1.8	12.0	0.0	0.0	228.4	35.7
AC Avonlea	5.3	13.7	22.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	27.8	4.3
Ben	5.7	14.6	15.6	2.7	0.0	0.0	6.4	42.7	0.0	0.0	27.7	4.3
Lebsock	0.0	0.0	21.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	21.9	3.4
Monroe	0.0	0.0	21.9	3.8	0.0	0.0	0.0	0.0	0.0	0.0	21.9	3.4
Ward	0.0	0.0	15.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	15.6	2.4
Renville	0.7	1.9	8.7	1.5	0.0	0.0	3.8	25.3	0.0	0.0	13.2	2.1
Medora	0.0	0.0	6.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	6.9	1.1
Utopia	5.7	14.5	0.0	0.0	0.4	4.7	0.0	0.0	0.0	0.0	6.1	1.0
Plaza	0.0	0.0	5.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.8
Voss	3.9	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.6
Kamut	1.9	4.8	0.0	0.0	0.7	8.4	0.0	0.0	0.0	0.0	2.6	0.4
Crosby	0.0	0.0	2.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.4
Maier	0.0	0.0	0.0	0.0	0.0	0.0	2.1	14.0	0.0	0.0	2.1	0.3
Westbred Laker	1.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.2
Stockholm	1.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.2
Durex	1.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.2
Other & Unknown	1.1	2.8	4.6	0.8	0.0	0.0	0.9	6.0	0.2	50.0	6.8	1.2
All Varieties	39.0	100.0	577.0	100.0	8.6	100.0	15.0	100.0	0.4	100.0	640.0	100.0

1/ Columns may not sum to all varieties due to rounding. 2/ Revised.

# MONTANA WHEAT VARIETIES 2003

Released: July 18, 2003



MONTANA  
AGRICULTURAL  
STATISTICS SERVICE

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## WINTER WHEAT

**Rampart** acreage soared, moving it into the first position for 2003, with 461,600 acres seeded. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

**Neeley** became the second leading variety of winter wheat seeded in Montana after fifteen consecutive years on top. There were 312,800 acres seeded for the 2003 crop. However, total acres actually increased 8 percent from last year's 289,200, as winter wheat seeding are up 400,000 acres statewide from the previous year. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety, with intermediate maturity.

**Tiber** remained in third place with 181,100 acres seeded. Last year 162,000 acres were seeded. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance, and good winter hardiness (similar to Redwin). Tiber's resistance to lodging and shattering is equal to Redwin, but shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust.

**Rocky** remained the number four variety in Montana, with 143,300 acres seeded for the 2003 crop. Rocky accounted for 7.7 percent of the state's seeded acreage, down 3.4 points from last year. Released in 1978 by Nickerson American Plant Breeders, Rocky is a pure line selection from Centurk. Recommended for the same areas as Centurk, but higher yielding under most conditions. Rocky is resistant to soil born mosaic.

The top four varieties, Rampart, Neeley, Tiber, and Rocky, accounted for 59.4 percent of the winter wheat acreage seeded for harvest in 2003. The top four varieties seeded for 2002 accounted for 61.9 percent of the total acreage for the state.

## SPRING WHEAT

**McNeal** was the leading spring wheat variety seeded for the sixth consecutive year, accounting for over 36 percent of the acreage, or almost 1.05 million acres planted. That is a decrease of 28 percent in McNeal acres from 2002, while other spring wheat acreage is down 23 percent this year. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly.

**Reeder** remained in second place with 503,600 acres seeded this year. Last year there were 340,200 acres planted. That is an increase of 48 percent in Reeder acreage over the previous year. Reeder was developed from a cross of a relative of Stoa and germplasm from a program in Brazil. Produced by the North Dakota Agricultural Experiment Station and released in 1999, Reeder is resistant to upper mid-west stem and leaf rust.

**Ernest** stayed in third place this year with 324,600 acres seeded, compared to 428,400 acres last year, a decrease of 24 percent. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed, hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

**Amidon** took fourth place for 2003 with 115,600 acres seeded statewide. Amidon is bearded, medium tall and lodging is poor compared to Fortuna. It is partially sawfly resistant (30% less solid than Fortuna). A medium-late variety; same maturity as Lew, but slightly later than Pondera. There is some tolerance to dryland root rot and moderately susceptible to septoria. It has shown good tolerance to wheat streak, does well in dry areas and has high protein like Fortuna.

The top four varieties, McNeal, Reeder, Ernest, and Amidon, accounted for 68.7 percent of the spring wheat acreage seeded in 2003. The top four varieties for 2001 accounted for 67.1 percent of the seeded acreage.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

## DURUM WHEAT

**Kyle** continued to be the leading durum variety for the seventh consecutive year. There were 245,200 acres seeded in the state, accounting for 37.7 percent of the total acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and Septoria leaf spot and susceptible to loose smut.

**Mountrail** remained the second most popular variety of durum wheat in the state for the third year in a row. There were 222,200 acres seeded or 34.2 percent of the state's durum wheat. Mountrail was developed from the cross of D8479 and Renville by the North Dakota Agricultural Experiment Station, and was released in 1999. The variety has a high semolina extract with strong gluten. It is resistant to both leaf and stem rusts.

The top four varieties, Kyle, Mountrail, Ben, and AC Avonlea, account for 81.4 percent of total acres seeded to durum wheat. This compares with the 77.2 percent reported in 2002 for the top four varieties.

**Ben** held the third place ranking again this year with 31,100 acres seeded or 4.8 percent of the state total for durum wheat. Ben was developed in North Dakota and released in 1996. This durum wheat is medium height, medium maturity, large kernel size with high protein. Ben is resistant to leaf rust, stem rust, and leaf spot complex. It is moderately susceptible to stripe rust.

**AC Avonlea** became the fourth most popular variety this year with 30,300 acres seeded or 4.7 percent of the state's durum wheat. AC Avonlea durum wheat, a new high protein, high yield variety, was registered in 1997. AC Avonlea was developed at the Semiarid Prairie Agricultural Research Centre (SPARC) of Agriculture and Agri-Food Canada, Swift Current. It is a medium height variety. AC Avonlea has slightly better resistance to the leaf disease tan spot than Kyle, and much better resistance than AC Melita.

Durum Wheat: Percent of Total Seeded Acreage 1997-2003 & Seeded Acreage 2002-2003 1/									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1997	1998	1999	2000	2001	2002 2/	2003	2002 2/	2003
Kyle	38.4	44.5	55.3	52.5	45.3	40.2	37.7	237.1	245.2
Mountrail	--	--	--	0.9	9.6	26.9	34.2	159.0	222.2
Ben	--	0.2	4.1	7.8	8.0	5.6	4.8	33.3	31.1
AC Avonlea	--	--	--	1.4	3.9	3.4	4.7	20.3	30.3
Lebsock	--	--	--	--	--	0.3	3.3	2.0	21.3
Monroe	14.1	7.4	4.8	2.9	3.3	1.2	3.3	7.2	21.3
Ward	1.9	1.9	4.4	2.3	3.1	2.8	2.3	16.7	15.1
Renville	8.4	6.0	4.8	5.2	6.6	2.5	2.1	15.0	13.7
Utopia	--	--	1.4	5.8	6.6	4.4	1.5	26.2	9.5
Medora	8.7	6.6	3.3	3.5	0.4	0.6	1.0	3.8	6.7
Voss	1.0	4.2	--	--	0.3	0.3	0.9	2.0	6.1
Plaza	--	--	--	--	--	0.8	0.8	5.0	5.0
Kamut	--	--	--	--	--	--	0.6	--	3.9
Westbred Laker	--	--	--	--	--	0.2	0.4	0.9	2.4
Stockholm	--	0.4	0.4	--	0.5	0.3	0.3	1.6	2.2
Maier	--	--	--	--	--	--	0.3	--	2.2
Crosby	5.1	0.7	0.9	0.4	0.3	0.3	0.3	2.0	2.2
Durex	--	--	--	--	--	0.2	0.3	1.0	1.9
Other & Unknown	22.4	28.1	20.6	17.3	12.1	10.0	1.2	56.9	7.7
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>590.0</b>	<b>650.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Revised.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2003 1/												
Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	16.9	27.2	219.5	39.2	8.3	75.0	--	--	0.5	50.0	245.2	37.7
Mountrail	--	--	219.0	39.1	1.3	11.9	1.9	11.8	--	--	222.2	34.2
Ben	9.1	14.7	15.1	2.7	--	--	6.9	42.9	--	--	31.1	4.8
AC Avonlea	8.5	13.7	21.8	3.9	--	--	--	--	--	--	30.3	4.7
Lebsock	--	--	21.3	3.8	--	--	--	--	--	--	21.3	3.3
Monroe	--	--	21.3	3.8	--	--	--	--	--	--	21.3	3.3
Ward	--	--	15.1	2.7	--	--	--	--	--	--	15.1	2.3
Renville	1.2	1.9	8.4	1.5	--	--	4.1	25.6	--	--	13.7	2.1
Utopia	9.0	14.5	--	--	0.5	4.7	--	--	--	--	9.5	1.5
Medora	--	--	6.7	1.2	--	--	--	--	--	--	6.7	1.0
Voss	6.1	9.9	--	--	--	--	--	--	--	--	6.1	0.9
Plaza	--	--	5.0	0.9	--	--	--	--	--	--	5.0	0.8
Kamut	3.0	4.8	--	--	0.9	8.4	--	--	--	--	3.9	0.6
Westbred Laker	2.4	3.9	--	--	--	--	--	--	--	--	2.4	0.4
Stockholm	2.2	3.6	--	--	--	--	--	--	--	--	2.2	0.3
Maier	--	--	--	--	--	--	2.2	13.9	--	--	2.2	0.3
Crosby	--	--	2.2	0.4	--	--	--	--	--	--	2.2	0.3
Durex	1.9	3.1	--	--	--	--	--	--	--	--	1.9	0.3
Other & Unknown	1.7	2.7	4.6	0.8	--	--	0.9	5.6	0.5	50.0	7.7	1.2
<b>All Varieties</b>	<b>62.0</b>	<b>100.0</b>	<b>560.0</b>	<b>100.0</b>	<b>11.0</b>	<b>100.0</b>	<b>16.0</b>	<b>100.0</b>	<b>1.0</b>	<b>100.0</b>	<b>650.0</b>	<b>100.0</b>

1/ Columns may not sum to all varieties due to rounding.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2002 Revised 1/												
Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	16.7	31.5	219.5	43.3	0.5	3.9	0.4	3.3	--	--	237.1	40.2
Mountrail	0.8	1.5	156.7	30.9	1.5	12.5	--	--	--	--	159.0	26.9
Ben	2.0	3.7	27.9	5.5	--	--	3.4	28.5	--	--	33.3	5.6
Utopia	23.5	44.3	--	--	2.4	19.7	--	--	0.3	37.4	26.2	4.4
AC Avonlea	3.7	7.0	16.2	3.2	0.4	3.3	--	--	--	--	20.3	3.4
Ward	--	--	16.7	3.3	--	--	--	--	--	--	16.7	2.8
Renville	0.5	1.0	9.6	1.9	--	--	4.9	40.8	--	--	15.0	2.5
AC Morse	--	--	12.2	2.4	--	--	--	--	--	--	12.2	2.1
Munich	--	--	9.6	1.9	--	--	--	--	--	--	9.6	1.6
Vic	--	--	8.1	1.6	--	--	--	--	--	--	8.1	1.4
Sceptre	0.3	0.6	7.6	1.5	--	--	--	--	--	--	7.9	1.3
Monroe	--	--	1.0	0.2	6.2	51.7	--	--	--	--	7.2	1.2
Plaza	2.0	3.8	3.0	0.6	--	--	--	--	--	--	5.0	0.8
Medora	--	--	0.5	0.1	--	--	3.3	27.3	--	--	3.8	0.6
Crosby	--	--	2.0	0.4	--	--	--	--	--	--	2.0	0.3
Lebsock	--	--	2.0	0.4	--	--	--	--	--	--	2.0	0.3
Voss	--	--	2.0	0.4	--	--	--	--	--	--	2.0	0.3
Stockholm	1.6	3.0	--	--	--	--	--	--	--	--	1.6	0.3
Other & Unknown	1.9	3.6	12.4	2.4	1.0	8.9	5.3	0.1	0.4	62.6	21.0	3.6
<b>All Varieties</b>	<b>53.0</b>	<b>100.0</b>	<b>507.0</b>	<b>100.0</b>	<b>12.0</b>	<b>100.0</b>	<b>17.3</b>	<b>100.0</b>	<b>0.7</b>	<b>100.0</b>	<b>590.0</b>	<b>100.0</b>

1/ Columns may not sum to all varieties due to rounding.

Winter Wheat: Percent of Total Seeded Acreage 1997-2003 & Seeded Acreage 2002-2003 1/									
Variety 2/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1997	1998	1999	2000	2001	2002 3/	2003	2002 3/	2003
Rampart	--	1.8	9.0	13.8	15.9	19.6	25.0	284.2	461.6
Neeley	24.3	20.0	20.8	19.2	22.6	19.9	16.9	289.2	312.8
Tiber	13.4	14.2	17.3	11.3	10.9	11.2	9.8	162.0	181.1
Rocky	19.1	13.4	8.2	6.9	8.9	11.1	7.7	161.5	143.3
Morgan	--	2.2	7.0	8.3	10.0	7.3	7.2	106.3	133.0
Vanguard	0.8	10.3	7.0	9.4	6.7	9.1	6.6	131.8	121.3
Redwin	10.6	6.1	4.7	6.4	4.0	5.0	3.3	72.2	60.8
Big Horn	2.3	3.5	3.6	3.3	3.0	1.7	1.8	24.8	33.2
Nufrontier	--	--	--	--	--	0.3	1.5	4.1	27.1
Promontory	--	0.7	--	--	0.4	0.2	1.4	2.2	25.0
Winalta	1.9	2.9	1.7	1.1	2.1	0.9	1.3	12.5	23.3
Roughrider	2.3	1.3	1.1	1.1	0.8	0.5	1.1	7.3	19.8
Erhardt	--	--	0.1	0.7	--	0.4	1.1	5.4	19.6
Quantum 542	1.2	1.0	1.4	2.2	2.0	1.0	1.0	15.1	18.0
Nuwest **	0.1	--	0.5	0.4	1.7	0.9	0.9	13.3	17.3
Centurk	4.1	0.9	0.9	0.5	0.4	0.4	0.8	5.5	14.9
Warrior	0.6	0.7	1.2	0.4	--	0.6	0.7	8.8	12.9
Norstar	1.8	1.7	1.5	0.8	0.6	0.6	0.6	8.8	11.2
Tomahawk	0.1	0.2	0.6	0.9	1.2	0.9	0.6	12.4	10.8
Prowers	--	--	--	--	--	0.7	0.6	9.8	10.8
Goldenspike	--	--	--	--	0.1	0.1	0.5	1.3	9.6
Kestrel	4.0	1.3	1.4	0.9	0.6	0.6	0.5	8.0	9.5
Other & Unknown	13.4	17.8	12.0	12.4	8.1	7.1	9.4	103.5	173.1
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>1,450.0</b>	<b>1,850.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. 3/ Revised. \*\*Hard white wheat variety.

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2003 1/																
Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Rampart	--	--	411.0	41.1	0.6	0.5	34.2	9.0	1.6	5.2	11.0	5.5	3.2	2.6	461.6	25.0
Neeley	1.1	16.0	74.0	7.4	11.7	10.6	156.9	41.3	21.4	71.3	42.4	21.2	5.3	4.3	312.8	16.9
Tiber	--	--	52.0	5.2	25.0	22.7	47.5	12.5	0.7	2.4	25.8	12.9	30.1	24.5	181.1	9.8
Rocky	--	--	123.0	12.3	1.9	1.7	18.2	4.8	--	--	--	--	0.2	0.2	143.3	7.7
Morgan	--	--	103.0	10.3	8.7	7.9	11.8	3.1	3.0	9.9	1.2	0.6	5.3	4.3	133.0	7.2
Vanguard	--	--	98.0	9.8	--	--	20.5	5.4	--	--	2.8	1.4	--	--	121.3	6.6
Redwin	--	--	8.0	0.8	15.0	13.6	0.4	0.1	--	--	31.0	15.5	6.4	5.2	60.8	3.3
Big Horn	--	--	9.0	0.9	--	--	23.2	6.1	--	--	0.6	0.3	0.4	0.3	33.2	1.8
Nufrontier	--	--	18.0	1.8	--	--	0.8	0.2	--	--	1.2	0.6	7.1	5.8	27.1	1.5
Promontory	--	--	--	--	--	--	10.3	2.7	0.2	0.5	14.4	7.2	0.1	0.1	25.0	1.4
Winalta	--	--	2.0	0.2	10.2	9.3	--	--	--	--	--	--	11.1	9.0	23.3	1.3
Roughrider	--	--	--	--	6.6	6.0	0.8	0.2	--	--	--	--	12.4	10.1	19.8	1.1
Erhardt	--	--	--	--	1.5	1.4	1.5	0.4	--	--	--	--	16.6	13.5	19.6	1.1
Quantum 542	--	--	12.0	1.2	--	--	4.2	1.1	--	--	1.8	0.9	--	--	18.0	1.0
Nuwest **	--	--	12.0	1.2	--	--	5.3	1.4	--	--	--	--	--	--	17.3	0.9
Centurk	--	--	13.0	1.3	--	--	1.9	0.5	--	--	--	--	--	--	14.9	0.8
Warrior	--	--	--	--	--	--	--	--	--	--	7.4	3.7	5.5	4.5	12.9	0.7
Norstar	--	--	6.0	0.6	3.0	2.7	1.5	0.4	--	--	--	--	0.7	0.6	11.2	0.6
Tomahawk	0.4	5.3	--	--	--	--	0.4	0.1	--	--	10.0	5.0	--	--	10.8	0.6
Prowers	--	--	1.0	0.1	--	--	--	--	--	--	9.8	4.9	--	--	10.8	0.6
Goldenspike	--	--	--	--	--	--	0.8	0.2	--	--	8.8	4.4	--	--	9.6	0.5
Kestrel	--	--	2.0	0.2	1.8	1.6	5.7	1.5	--	--	--	--	--	--	9.5	0.5
Other & Unknown	5.5	78.6	56.0	5.6	24.0	21.8	34.1	9.0	3.1	10.3	31.8	15.9	18.6	15.1	173.1	9.4
<b>All Varieties</b>	<b>7.0</b>	<b>100.0</b>	<b>1,000.0</b>	<b>100.0</b>	<b>110.0</b>	<b>100.0</b>	<b>380.0</b>	<b>100.0</b>	<b>30.0</b>	<b>100.0</b>	<b>200.0</b>	<b>100.0</b>	<b>123.0</b>	<b>100.0</b>	<b>1,850.0</b>	<b>100.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. \*\*Hard white wheat variety.

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2002 Revised 1/																
Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.9	14.6	80.9	10.5	1.2	2.4	179.1	54.6	13.6	46.8	13.1	7.1	0.4	0.5	289.2	19.9
Rampart	0.1	2.1	257.2	33.4	--	--	17.7	5.4	1.8	6.1	6.5	3.5	0.9	1.1	284.2	19.6
Tiber	--	--	49.3	6.4	14.3	29.1	23.3	7.1	--	--	55.5	30.0	19.6	23.6	162.0	11.2
Rocky	--	--	129.4	16.8	1.2	2.5	28.5	8.7	--	--	2.4	1.3	--	--	161.5	11.1
Vanguard	--	--	108.6	14.1	--	--	21.0	6.4	--	--	2.2	1.2	--	--	131.8	9.1
Morgan	--	--	70.8	9.2	3.0	6.1	14.4	4.4	7.4	25.6	3.5	1.9	7.2	8.7	106.3	7.3
Redwin	--	--	12.3	1.6	10.3	21.1	--	--	1.2	4.3	39.8	21.5	8.6	10.4	72.2	5.0
McGuire	--	--	2.3	0.3	--	--	1.3	0.4	2.9	9.9	23.3	12.6	1.2	1.4	31.0	2.1
Big Horn	--	--	12.3	1.6	--	--	12.5	3.8	--	--	--	--	--	--	24.8	1.7
Quantum 542	--	--	4.6	0.6	0.1	0.2	4.9	1.5	--	--	4.8	2.6	0.7	0.8	15.1	1.0
Nuwest**	--	--	2.3	0.3	--	--	4.6	1.4	--	--	--	--	6.4	7.7	13.3	0.9
Winalta	--	--	1.5	0.2	4.4	8.9	--	--	--	--	--	--	6.6	8.0	12.5	0.9
Tomahawk	1.4	23.5	0.8	0.1	--	--	--	--	--	--	10.2	5.5	--	--	12.4	0.9
Prowers	--	--	--	--	--	--	--	--	--	--	9.8	5.3	--	--	9.8	0.7
Norstar	--	--	6.2	0.8	2.6	5.3	--	--	--	--	--	--	--	--	8.8	0.6
Warrior	--	--	--	--	--	--	--	--	--	--	2.0	1.1	6.8	8.2	8.8	0.6
Kestrel	--	--	2.3	0.3	3.7	7.6	2.0	0.6	--	--	--	--	--	--	8.0	0.6
Roughrider	--	--	--	--	2.2	4.4	--	--	--	--	--	--	5.1	6.2	7.3	0.5
Judith	--	--	6.2	0.8	--	--	--	--	--	--	0.7	0.4	--	--	6.9	0.5
Rose	--	--	--	--	--	--	--	--	--	--	--	--	6.1	7.4	6.1	0.4
Centurk	--	--	3.9	0.5	--	--	1.6	0.5	--	--	--	--	--	--	5.5	0.4
Erhardt	--	--	--	--	0.9	1.9	1.3	0.4	--	--	--	--	3.2	3.9	5.4	0.4
Other & Unknown	3.6	59.8	19.1	2.5	5.1	10.5	15.8	4.8	2.1	7.3	11.2	6.0	10.2	12.1	67.1	4.6
<b>All Varieties</b>	<b>6.0</b>	<b>100.0</b>	<b>770.0</b>	<b>100.0</b>	<b>49.0</b>	<b>100.0</b>	<b>328.0</b>	<b>100.0</b>	<b>29.0</b>	<b>100.0</b>	<b>185.0</b>	<b>100.0</b>	<b>83.0</b>	<b>100.0</b>	<b>1,450.0</b>	<b>100.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. \*\*Hard white wheat variety.

Spring Wheat: Percent of Total Seeded Acreage 1997-2003 & Seeded Acreage 2002-2003 1/									
Variety 2/	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1997	1998	1999	2000	2001	2002 3/	2003	2002 3/	2003
McNeal	16.2	26.5	40.4	48.8	49.2	38.8	36.1	1,454.4	1,047.9
Reeder	--	--	--	0.1	3.4	9.1	17.4	340.2	503.6
Ernest	3.2	7.6	9.4	10.7	10.1	11.4	11.2	428.4	324.6
Amidon	24.7	17.2	14.2	10.9	7.8	6.2	4.0	231.5	115.6
Fortuna	6.3	6.5	5.0	4.9	5.1	7.8	3.9	293.8	114.2
Conan	--	--	--	1.0	3.1	5.0	3.8	189.2	109.3
Scholar	--	--	--	--	0.5	1.9	3.0	71.2	87.2
Lew	2.5	1.8	1.3	0.9	1.2	1.8	2.9	68.3	82.9
Westbred Rambo	10.0	7.9	6.7	5.3	3.2	3.8	2.8	140.8	80.9
Parshall	--	--	--	--	0.5	1.4	1.6	53.0	46.0
Westbred 926	2.7	1.8	2.5	2.2	1.8	1.5	1.2	55.7	34.7
Hank	--	--	--	--	--	0.3	1.2	9.4	34.7
Westbred 936	1.0	1.6	1.7	3.5	1.5	1.1	1.1	40.2	31.8
Grandin	8.9	6.2	3.1	3.3	1.3	1.3	1.1	46.9	30.7
Gunner	--	--	--	--	--	0.4	0.8	15.6	22.8
Len	3.1	1.8	1.2	1.6	1.2	0.8	0.5	28.3	14.4
Stoa	--	--	--	--	--	0.3	0.4	11.2	12.3
Kulm	0.4	1.9	0.8	1.1	0.8	0.3	0.4	10.4	11.6
Hi-Line	3.1	3.0	1.7	1.1	1.4	0.6	0.4	22.4	11.1
Abbey	--	--	--	--	--	--	0.4	--	10.4
Newana	2.4	2.0	1.2	0.9	0.6	0.3	0.3	11.9	9.0
Butte 86	--	--	--	--	--	0.5	0.2	17.2	5.9
Other & Unknown	15.5	14.2	10.8	3.7	7.3	5.4	5.5	210.0	158.4
<b>All Varieties</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>3,750.0</b>	<b>2,900.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted. 3/ Revised.

**Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2018 1/**

Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	5.5	21.8	316.5	27.4	490.8	40.9	122.4	51.0	17.7	44.3	51.8	57.5	43.2	28.8	1,047.9	36.1
Reeder	--	0.1	13.9	1.2	448.8	37.4	16.3	6.8	4.0	10.0	5.3	5.9	15.3	10.2	503.6	17.4
Ernest	--	--	247.2	21.4	42.0	3.5	27.1	11.3	--	--	0.8	0.9	7.5	5.0	324.6	11.2
Amidon	--	--	35.8	3.1	66.0	5.5	1.2	0.5	--	--	6.9	7.7	5.7	3.8	115.6	4.0
Fortuna	0.3	1.0	97.0	8.4	7.2	0.6	5.3	2.2	--	--	4.4	4.9	--	--	114.2	3.9
Conan	--	--	105.1	9.1	2.4	0.2	0.7	0.3	--	--	--	--	1.1	0.7	109.3	3.8
Scholar	--	--	67.0	5.8	12.0	1.0	6.2	2.6	--	--	--	--	2.0	1.3	87.2	3.0
Lew	--	--	72.8	6.3	6.0	0.5	--	--	--	--	3.8	4.2	0.3	0.2	82.9	2.9
Westbred Rambo	--	--	65.8	5.7	3.6	0.3	7.4	3.1	0.2	0.5	3.9	4.3	--	--	80.9	2.8
Parshall	--	--	--	--	27.6	2.3	--	--	--	--	1.4	1.5	17.0	11.3	46.0	1.6
Westbred 926	7.1	28.2	3.5	0.3	--	--	16.6	6.9	1.2	2.9	4.9	5.4	1.4	0.9	34.7	1.2
Hank	4.1	16.3	25.4	2.2	--	--	4.3	1.8	0.2	0.5	0.7	0.8	--	--	34.7	1.2
Westbred 936	2.6	10.2	9.2	0.8	--	--	7.7	3.2	12.3	30.7	--	--	--	--	31.8	1.1
Grandin	--	--	--	--	13.2	1.1	--	--	--	--	1.4	1.6	16.1	10.7	30.7	1.1
Gunner	--	--	--	--	22.8	1.9	--	--	--	--	--	--	--	--	22.8	0.8
Len	--	--	--	--	13.2	1.1	--	--	--	--	--	--	1.2	0.8	14.4	0.5
Stoa	--	--	--	--	9.6	0.8	--	--	--	--	--	--	2.7	1.8	12.3	0.4
Kulm	--	--	--	--	8.4	0.7	--	--	--	--	--	--	3.2	2.1	11.6	0.4
Hi-Line	--	--	4.6	0.4	2.4	0.2	1.2	0.5	2.9	7.3	--	--	--	--	11.1	0.4
Abbey	--	--	10.4	0.9	--	--	--	--	--	--	--	--	--	--	10.4	0.4
Newana	--	--	2.3	0.2	2.4	0.2	1.7	0.7	0.6	1.6	0.6	0.7	1.4	0.9	9.0	0.3
Butte 86	--	--	2.3	0.2	1.2	0.1	--	--	--	--	--	--	2.4	1.6	5.9	0.2
Other & Unknown	5.4	21.6	76.2	6.6	20.4	1.7	21.9	9.1	0.9	2.2	4.1	4.6	29.5	19.7	158.4	5.5
<b>All Varieties</b>	<b>25.0</b>	<b>100.0</b>	<b>1,155.0</b>	<b>100.0</b>	<b>1,200.0</b>	<b>100.0</b>	<b>240.0</b>	<b>100.0</b>	<b>40.0</b>	<b>100.0</b>	<b>90.0</b>	<b>100.0</b>	<b>150.0</b>	<b>100.0</b>	<b>2,900.0</b>	<b>100.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted.

**Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2002 Revised 1/**

Variety 2/	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	7.1	23.6	639.7	34.1	597.9	46.1	116.0	43.3	10.7	28.2	40.0	45.5	43.0	28.1	1,454.4	38.8
Ernest	--	--	363.9	19.4	46.7	3.6	9.1	3.4	--	--	1.7	1.9	7.0	4.6	428.4	11.4
Reeder	--	--	3.8	0.2	302.2	23.3	18.2	6.8	--	--	4.1	4.7	11.9	7.8	340.2	9.1
Fortuna	--	--	258.9	13.8	13.0	1.0	8.3	3.1	--	--	13.6	15.5	--	--	293.8	7.8
Amidon	--	--	101.3	5.4	115.4	8.9	1.1	0.4	--	--	5.6	6.4	8.1	5.3	231.5	6.2
Conan	--	--	167.0	8.9	2.6	0.2	19.6	7.3	--	--	--	--	--	--	189.2	5.0
Westbred Rambo	--	--	129.4	6.9	5.2	0.4	5.6	2.1	0.6	1.5	--	--	--	--	140.8	3.8
Scholar	--	--	48.8	2.6	13.0	1.0	9.1	3.4	--	--	--	--	0.3	0.2	71.2	1.9
Lew	0.3	1.0	58.2	3.1	1.3	0.1	6.4	2.4	--	--	1.8	2.1	0.3	0.2	68.3	1.8
Westbred 926	5.3	17.6	5.6	0.3	--	--	32.2	12.0	6.4	16.9	4.8	5.4	1.4	0.9	55.7	1.5
Parshall	--	--	--	--	44.1	3.4	--	--	--	--	--	--	8.9	5.8	53.0	1.4
Grandin	--	--	1.9	0.1	25.9	2.0	--	--	--	--	--	--	19.1	12.5	46.9	1.3
Westbred 936	10.1	33.7	5.6	0.3	--	--	4.0	1.5	13.6	35.9	1.2	1.4	5.7	3.7	40.2	1.1
Len	--	--	--	--	27.2	2.1	--	--	--	--	--	--	1.1	0.7	28.3	0.8
Hi-Line	--	--	15.0	0.8	3.9	0.3	0.3	0.1	1.2	3.1	--	--	2.0	1.3	22.4	0.6
Butte 86	--	--	--	--	1.3	0.1	--	--	--	--	--	--	15.9	10.4	17.2	0.5
Gunner	--	--	--	--	15.6	1.2	--	--	--	--	--	--	--	--	15.6	0.4
Olaf	--	--	--	--	11.7	0.9	--	--	--	--	--	--	2.6	1.7	14.3	0.4
BR 2306	--	--	1.9	0.1	--	--	10.2	3.8	--	--	--	--	--	--	12.1	0.3
Newana	0.2	0.5	3.8	0.2	2.6	0.2	0.5	0.2	--	--	4.5	5.1	0.3	0.2	11.9	0.3
Keene	--	--	--	--	6.5	0.5	--	--	--	--	--	--	4.7	3.1	11.2	0.3
Kulm	--	--	--	--	10.4	0.8	--	--	--	--	--	--	--	--	10.4	0.3
Other & Unknown	7.0	23.6	71.2	3.8	50.5	3.9	27.4	10.2	5.5	14.4	10.7	12.0	20.7	13.5	193.0	5.1
<b>All Varieties</b>	<b>30.0</b>	<b>100.0</b>	<b>1,876.0</b>	<b>100.0</b>	<b>1,297.0</b>	<b>100.0</b>	<b>268.0</b>	<b>100.0</b>	<b>38.0</b>	<b>100.0</b>	<b>88.0</b>	<b>100.0</b>	<b>153.0</b>	<b>100.0</b>	<b>3,750.0</b>	<b>100.0</b>

1/ Columns may not sum to all varieties due to rounding. 2/ Hard red variety unless otherwise noted.