

# MONTANA

## WHEAT VARIETIES

### 1999



MONTANA  
AGRICULTURAL  
STATISTICS SERVICE

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#### WINTER WHEAT

Neeley remained the leading variety of winter wheat seeded in Montana for the twelfth consecutive year, with over 210 thousand acres planted in the state. Total acres planted decreased from last year's 280 thousand acres. 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 moved into the second place position with over 175 thousand acres of winter wheat planted in the state. 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; 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. Tiber has average milling and baking quality.

Rampart leaped into third place position with almost quadrupled seeded acres of 101 thousand. 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.

Rocky fell back into fourth place this year with a decrease of almost 50 percent to 95 thousand acres. It is a pure line selection from Centurk developed and released by Nickerson American Plant Breeders (now AgriPro Seed Company). It is a hard red winter wheat that has white glumes and awns. Rocky is similar in most characteristics to Centurk, but differs in glume shape and beak length and has better resistance to soil-borne mosaic. Rocky has average milling and baking quality when compared to Winalta and Redwin.

These top four varieties accounted for 55 percent of the winter wheat acreage seeded in 1999. These same four varieties accounted for 49 percent in 1998.

#### SPRING WHEAT

McNeal was the leading spring wheat variety planted for the second consecutive year, accounting for almost 40 percent of the seeded acreage with nearly 1.65 million acres planted. 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. McNeal's milling and baking qualities are acceptable by industry.

Amidon remained in second place this year with almost 583 thousand acres planted. Amidon is an awned, standard height, hard red spring wheat cooperatively developed and released by North Dakota Agricultural Experiment Station and USDA in 1988. It is resistant to leaf rust and stem rust, with a leaf spotting rating better than Stoa and Len. It has exhibited an intermediate level of stem solidness. Amidon has a higher protein than Newana, and overall milling and baking qualities are equal to or better than Newana.

Ernest moved up to third place due to a significant increase in planted acres, accounting for over 402 thousand acres planted this year. 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.

Westbred Rambo moved down to fourth place this year with over 292 thousand acres planted in the state. It is a medium maturity variety with a high test weight rating and good yield. It is very resistant to stem rust and sawfly infestation.

The top four varieties accounted for over 70 percent of the spring wheat acreage seeded in 1999. These same four varieties accounted for 59 percent in 1998.

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 sixth consecutive year. Almost 215 thousand acres of Kyle were planted in the state, accounting for 54 percent of the total seeded 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.

Vic continues to move up in ranking from its third place position last year. Vic accounts for almost 31 thousand planted acres or 8 percent. Vic was developed by the North Dakota Agricultural Experiment Station cooperatively with Agricultural Research, Science, and Education Administration, USDA and was released to growers in 1979. Vic is resistant to stem rust and moderately resistant to leaf rust and blackpoint. The milling, processing, and cooking properties of this variety are satisfactory.

Sceptre moved down from second place last year to its third place position accounting for 18.5 thousand planted acres. Sceptre is a moderately early maturing variety that is highly resistant to stem rust. It is medium to tall in height, but has a fairly stiff straw.

Renville moved into the fourth place position this year accounting for over 18 thousand planted acres. Renville was developed by the North Dakota Agricultural Experiment Station in cooperation with the USDA and released in 1988. This variety has shown good resistance to stem and leaf rust. For Renville, the milling characteristics are good, the gluten is strong, and spaghetti color and cooking characteristics are acceptable.

These top four varieties account for 71 percent of total acres seeded to durum wheat. This is comparable to the 66 percent reported in 1998 for the same four varieties.

Variety	North Central		Northeast		Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	11.4	22.6	202.0	60.3	1.3	16.9	--	--	214.7	53.7
Vic	--	--	30.8	9.2	--	--	--	--	30.8	7.7
Sceptre	15.5	30.9	0.7	0.2	2.3	28.9	--	--	18.5	4.6
Renville	--	--	18.1	5.4	--	--	--	--	18.1	4.5
Monroe	--	--	18.1	5.4	--	--	--	--	18.1	4.5
Ben	4.2	8.3	13.1	3.9	--	--	--	--	17.3	4.3
Ward	--	--	15.4	4.6	--	--	1.7	25.0	17.1	4.3
Medora	--	--	9.0	2.7	--	--	4.2	60.3	13.2	3.3
Kemut	2.5	4.9	3.7	1.1	--	--	--	--	6.2	1.6
Utopia	5.1	10.2	--	--	--	--	--	--	5.1	1.3
Munich	--	--	3.7	1.1	--	--	--	--	3.7	0.9
Crosby	--	--	3.4	1.0	--	--	--	--	3.4	0.9
Westbred Laker	0.5	1.0	1.7	0.5	--	--	--	--	2.2	0.6
Coyote	0.7	1.4	1.0	0.3	--	--	--	--	1.7	0.4
Stockholm	1.6	3.1	--	--	--	--	--	--	1.6	0.4
Durex	1.4	2.7	--	--	--	--	--	--	1.4	0.4
Wacoma	--	--	1.3	0.4	--	--	--	--	1.3	0.3
Lloyd	0.4	0.8	--	--	--	--	--	--	0.4	0.1
Other & Unknown	7.0	14.1	13.0	3.9	4.2	54.2	1.0	14.7	25.2	6.2
All Varieties	50.3	100.0	335.0	100.0	7.8	100.0	6.9	100.0	400.0	100.0

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1993	1994	1995	1996	1997	1998 <sup>1</sup>	1999	1998 <sup>1</sup>	1999
Kyle	7.0	23.6	23.4	20.4	38.4	44.5	53.7	200.4	214.7
Vic	7.7	9.3	17.7	13.9	7.4	8.6	7.7	38.7	30.8
Sceptre	--	--	3.8	3.1	5.1	6.8	4.6	30.7	18.5
Renville	2.8	7.4	10.0	9.0	8.4	6.0	4.5	27.1	18.1
Monroe	24.2	22.5	11.1	20.5	14.1	7.4	4.5	33.1	18.1
Ben	--	--	--	--	--	0.2	4.3	0.7	17.3
Ward	1.3	4.6	4.7	5.4	1.9	1.9	4.3	8.7	17.1
Medora	18.0	3.4	6.0	2.4	8.7	6.6	3.3	29.7	13.2
Kemut	--	1.1	0.3	0.5	0.7	0.0	1.6	0.2	6.2
Utopia	--	--	--	--	--	--	1.3	--	5.1
Munich	--	--	--	--	--	--	0.9	--	3.7
Crosby	2.8	6.4	3.5	7.8	5.1	0.7	0.9	3.2	3.4
Westbred Laker	23.5	14.5	3.8	3.1	2.7	2.8	0.6	12.4	2.2
Coyote	--	--	--	--	--	2.3	0.4	10.4	1.7
Stockholm	--	--	--	--	--	0.2	0.4	1.0	1.6
Durex	--	--	--	0.8	1.0	0.1	0.4	0.5	1.4
Wacoma	--	--	--	--	--	--	0.3	--	1.3
Lloyd	--	--	--	--	--	--	0.1	--	0.4
Other & Unknown	12.7	7.2	15.7	13.1	6.5	11.8	6.2	53.2	25.2
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	450.0	400.0

<sup>1</sup> Revised

Spring Wheat: 1999 Seeded Acreage and Percent of Total Seeded by Districts																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	8.7	24.9	729.2	36.7	726.2	49.4	116.3	42.3	9.3	21.7	12.6	12.6	46.6	19.4	1648.9	39.7
Amidon	--	--	143.1	7.2	344.0	23.4	12.7	4.6	--	--	20.6	20.6	62.4	26.0	582.8	14.0
Ernest	--	--	284.1	14.3	86.7	5.9	4.1	1.5	--	--	6.5	6.5	20.9	8.7	402.3	9.7
Westbred Rambo	--	--	276.2	13.9	5.9	0.4	8.5	3.1	--	--	1.7	1.7	--	--	292.3	7.0
Fortuna	--	--	178.8	9.0	--	--	18.4	6.7	1.9	4.4	18.6	18.6	--	--	217.7	5.2
Grandin	--	--	17.9	0.9	77.9	5.3	5.2	1.9	--	--	1.0	1.0	24.5	10.2	126.5	3.0
Westbred 926	6.3	18.1	17.9	0.9	--	--	54.5	19.8	4.5	10.5	8.4	8.4	4.1	1.7	95.7	2.3
ID 377S *	--	--	76.4	3.8	10.3	0.7	3.6	1.3	--	--	--	--	0.5	0.2	90.8	2.2
Hi-Line	1.5	4.2	43.7	2.2	10.3	0.7	2.5	0.9	2.5	5.8	4.2	4.2	7.0	2.9	71.7	1.7
Westbred 936	11.4	32.5	29.8	1.5	--	--	9.6	3.5	13.8	32.2	0.4	0.4	3.8	1.6	68.8	1.7
Stoa	--	--	15.9	0.8	25.0	1.7	--	--	--	--	--	--	22.1	9.2	63.0	1.5
Lew	--	--	41.7	2.1	8.8	0.6	0.8	0.3	--	--	5.1	5.1	2.2	0.9	58.6	1.4
Newana	0.2	0.5	27.8	1.4	10.3	0.7	4.1	1.5	0.5	1.1	1.4	1.4	5.5	2.3	49.8	1.2
Len	--	--	0.1	--	39.7	2.7	--	--	--	--	--	--	7.9	3.3	47.7	1.1
Kulm	--	--	--	--	32.3	2.2	--	--	--	--	--	--	0.7	0.3	33.0	0.8
Westbred Express	3.9	11.1	--	--	1.5	0.1	2.5	0.9	7.0	16.3	2.0	2.0	0.2	0.1	17.1	0.4
Fergus	--	--	4.0	0.2	--	--	5.0	1.8	--	--	7.9	7.9	--	--	16.9	0.4
Trenton	--	--	--	--	1.5	0.1	--	--	--	--	--	--	14.6	6.1	16.1	0.4
Sonja	--	--	13.9	0.7	1.5	0.1	--	--	--	--	--	--	--	--	15.4	0.4
Wildcat	--	--	4.0	0.2	8.8	0.6	--	--	--	--	--	--	--	--	12.8	0.3
Olaf	--	--	7.9	0.4	1.5	0.1	--	--	--	--	--	--	1.7	0.7	11.1	0.3
Gus	--	--	--	--	7.4	0.5	--	--	--	--	--	--	--	--	7.4	0.2
Other & Unknown	3.0	8.7	74.6	3.8	70.4	4.8	27.2	9.9	3.5	8.0	9.6	9.6	15.3	6.4	203.6	5.1
All Varieties	35.0	100.0	1987.0	100.0	1470.0	100.0	275.0	100.0	43.0	100.0	100.0	100.0	240.0	100.0	4150.0	100.0

\* White wheat variety

Spring Wheat: Percent of Total Seeded Acreage 1993-1999 & Seeded Acreage 1998-1999										
Variety	Percent of Total Seeded Acreage								Seeded Acres (000)	
	1993	1994	1995	1996	1997	1998 <sup>1</sup>	1999	1998 <sup>1</sup>	1999	
McNeal	--	--	--	1.3	16.2	26.5	39.7	1007.2	1648.9	
Amidon	29.0	27.9	29.9	28.0	24.7	17.2	14.0	653.2	582.8	
Ernest	--	--	--	0.2	3.2	7.6	9.7	289.1	402.3	
Westbred Rambo	15.5	11.9	10.5	9.9	10.0	7.9	7.0	301.4	292.3	
Fortuna	6.6	8.0	8.3	5.9	6.3	6.5	5.2	248.0	217.7	
Grandin	3.4	8.5	7.3	8.8	8.9	6.2	3.0	236.1	126.5	
Westbred 926	1.5	2.0	3.0	2.5	2.7	1.8	2.3	69.8	95.7	
ID 377S *	--	--	--	--	--	0.1	2.2	3.9	90.8	
Hi-Line	0.4	2.4	4.3	5.6	3.1	3.0	1.7	112.5	71.7	
Westbred 936	--	0.2	0.3	1.4	1.0	1.6	1.7	61.7	68.8	
Stoa	5.9	5.7	3.6	6.1	4.5	3.4	1.5	130.3	63.0	
Lew	5.0	7.2	4.9	4.4	2.5	1.8	1.4	66.7	58.6	
Newana	8.2	6.9	5.8	5.0	2.4	2.0	1.2	75.7	49.8	
Len	6.6	6.3	6.3	3.6	3.1	1.8	1.1	66.5	47.7	
Kulm	--	--	--	0.5	0.4	1.9	0.8	71.6	33.0	
Westbred Express	--	0.3	0.4	0.3	0.6	0.4	0.4	16.1	17.1	
Fergus	--	--	0.2	0.6	0.8	0.6	0.4	21.4	16.9	
Trenton	--	--	--	--	--	0.0	0.4	0.5	16.1	
Sonja	--	--	--	0.1	0.3	0.3	0.4	10.0	15.4	
Wildcat	--	--	--	--	--	--	0.3	--	12.8	
Olaf	2.8	2.2	1.1	0.5	0.6	0.2	0.3	5.7	11.1	
Gus	--	0.1	0.6	1.3	0.6	0.4	0.2	16.1	7.4	
Other & Unknown	15.1	10.4	13.5	14.0	8.1	8.8	5.0	336.5	203.6	
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	3800.0	4150.0	

<sup>1</sup> Revised

\* White wheat variety

Winter Wheat: 1999 Seeded Acreage and Percent of Total Seeded by Districts

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.4	4.0	28.1	6.5	5.2	8.5	126.3	42.8	9.0	53.2	38.3	21.3	3.3	6.0	210.6	20.1
Tiber	--	--	52.4	12.1	11.3	18.5	43.9	14.9	0.5	3.0	50.2	27.9	17.1	31.1	175.4	16.7
Rampart	--	--	70.1	16.2	--	--	16.5	5.6	0.4	2.6	14.0	7.8	--	--	101.0	9.6
Rocky	0.3	3.0	77.5	17.9	--	--	17.1	5.8	--	--	--	--	--	--	94.9	9.0
Morgan	--	--	68.0	15.7	0.2	0.3	7.8	2.6	2.4	14.1	0.2	0.1	0.7	1.3	79.3	7.6
Vanguard	--	--	59.3	13.7	--	--	12.6	4.3	--	--	7.0	3.9	--	--	78.9	7.5
Redwin	--	--	5.6	1.3	5.2	8.5	6.7	2.3	--	--	20.5	11.4	7.2	13.0	45.2	4.3
Bighorn	--	--	24.2	5.6	--	--	12.3	4.2	--	--	3.2	1.8	--	--	39.7	3.8
Hawk	--	--	11.7	2.7	--	--	--	--	--	--	9.5	5.3	--	--	21.2	2.0
Winalta	--	--	6.1	1.4	7.2	11.8	--	--	--	--	--	--	4.1	7.4	17.4	1.7
Norstar	--	--	3.9	0.9	9.5	15.5	2.5	0.9	--	--	--	--	1.2	2.2	17.1	1.6
Quantum 542	--	--	2.6	0.6	--	--	12.5	4.3	--	--	--	--	--	--	15.1	1.4
Kestrel	--	--	1.3	0.3	5.7	9.3	4.7	1.6	--	--	--	--	2.9	5.2	14.6	1.4
Roughrider	--	--	--	--	13.1	21.5	--	--	--	--	--	--	0.8	1.5	13.9	1.3
Judith	--	--	6.5	1.5	--	--	3.3	1.1	0.3	1.5	0.5	0.3	--	--	10.6	1.0
Warrior	--	--	--	--	--	--	0.9	0.3	--	--	6.1	3.4	3.1	5.6	10.1	1.0
Centurk	--	--	6.1	1.4	--	--	3.1	1.1	--	--	--	--	0.4	0.8	9.6	0.9
Tomahawk	--	--	1.3	0.3	--	--	1.2	0.4	--	--	3.8	2.1	--	--	6.3	0.6
Weston	--	--	--	--	--	--	0.3	0.1	--	--	5.6	3.1	--	--	5.9	0.6
Nuwest *	--	--	0.9	0.2	--	--	4.5	1.5	--	--	--	--	--	--	5.4	0.5
Vona	--	--	3.0	0.7	--	--	1.5	0.5	--	--	--	--	--	--	4.5	0.4
Sierra	1.4	15.2	--	--	--	--	--	--	--	--	2.7	1.5	--	--	4.1	0.4
Other & Unknown	6.9	77.8	4.4	1.0	3.6	6.1	17.3	5.8	4.4	25.6	18.4	10.1	14.2	25.9	69.2	6.6
All Varieties	9.0	100.0	433.0	100.0	61.0	100.0	295.0	100.0	17.0	100.0	180.0	100.0	55.0	100.0	1050.0	100.0

\* White wheat variety

Winter Wheat: Percent of Total Seeded Acreage 1993-1999 & Seeded Acreage 1998-1999

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1993	1994	1995	1996	1997	1998 <sup>1</sup>	1999	1998 <sup>1</sup>	1999
Neeley	18.4	23.3	23.6	24.6	24.3	20.0	20.1	280.4	210.6
Tiber	10.7	16.2	12.4	16.5	13.4	14.2	16.7	199.0	175.4
Rampart	--	--	--	--	--	1.8	9.6	25.7	101.0
Rocky	14.8	13.3	16.5	14.6	19.1	13.4	9.0	187.5	94.9
Morgan	--	--	--	--	--	2.2	7.6	30.9	79.3
Vanguard	--	--	--	--	0.8	10.3	7.5	144.4	78.9
Redwin	10.8	10.0	8.9	11.4	10.6	6.1	4.3	85.0	45.2
Bighorn	1.0	1.3	0.7	4.0	2.3	3.5	3.8	48.3	39.7
Hawk	1.0	0.9	2.4	0.9	1.7	1.3	2.0	18.3	21.2
Winalta	5.8	4.4	2.8	3.5	1.9	2.9	1.7	39.9	17.4
Norstar	6.4	2.0	4.0	1.8	1.8	1.7	1.6	24.3	17.1
Quantum 542	0.3	1.1	1.8	0.6	1.2	1.0	1.4	13.4	15.1
Kestrel	--	0.1	0.4	1.4	4.0	1.3	1.4	17.9	14.6
Roughrider	2.0	1.8	1.0	2.1	2.3	1.3	1.3	18.8	13.9
Judith	9.8	10.2	8.2	3.7	3.4	4.3	1.0	59.5	10.6
Warrior	1.1	1.7	0.7	0.4	0.6	0.7	1.0	10.0	10.1
Centurk	2.4	2.6	3.1	3.1	1.5	0.9	0.9	13.2	9.6
Tomahawk	--	--	--	--	0.1	0.2	0.6	2.2	6.3
Weston	0.2	1.1	0.6	0.6	0.5	0.6	0.6	8.0	5.9
Nuwest *	--	--	--	--	0.1	0.0	0.5	0.2	5.4
Vona	--	--	--	--	0.1	0.1	0.4	0.7	4.5
Sierra	--	--	--	--	0.7	0.1	0.4	1.4	4.1
Other & Unknown	15.3	10.0	12.9	10.8	9.6	12.1	6.6	171.0	69.2
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1400.0	1050.0

<sup>1</sup> Revised

\* White wheat variety

# WHEAT VARIETIES 1998



Montana  
Agricultural  
Statistics  
Service

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Released: July 20, 1998

## WINTER WHEAT

**Neeley** remained the leading variety of winter wheat seeded in Montana for the eleventh consecutive year with 270 thousand acres planted in the state. Total acres planted decreased sharply from last year's 390 thousand acres. This variety is a hard red, semi-dwarf winter wheat with a lower protein level than most hard red winter wheats. It is a moderately late maturing grain and has a fair rating for winter hardiness. Neeley has satisfactory milling and baking qualities.

**Rocky** maintained its position of the second most popular winter wheat variety for the second consecutive year. Montana farmers planted 194 thousand acres of Rocky this year, a decrease from the 305 thousand acres planted last year. Rocky is a hard red winter wheat that has good yield potential and medium grain protein. This variety is very resistant to lodging and stem rust and has average milling and baking qualities.

**Tiber** remained in the third place position for the second consecutive year, accounting for 191 thousand acres of winter wheat planted in the state. Total acres of Tiber planted decreased from the 214 thousand acres recorded last year. Tiber is a late maturing variety with a fair rating for winter hardiness and is very resistant to lodging. Tiber has average milling and baking qualities.

**Vanguard** replaced Redwin as the fourth largest variety planted in Montana. Over 144 thousand acres of Vanguard were planted, accounting for 10 percent of seeded acreage. Vanguard is a hard red winter wheat with a high protein content and good milling and baking qualities. This variety is highly resistant to sawfly infestation.

These top four varieties accounted for 57 percent of the winter wheat acreage seeded in 1998, compared to 67 percent in 1997.

## SPRING WHEAT

**McNeal** was the leading spring wheat variety planted this year, overtaking Amidon after six consecutive years in the top position. This hard red spring wheat accounted for 27 percent of seeded acreage with over 960 thousand acres planted. McNeal is an early maturing variety with superior yield and average protein levels. It is moderately resistant to lodging, stem rust and foliar disease.

**Amidon** dropped to the second place position this year after a significant decrease in planted acreage. Montana farmers planted only 620 thousand acres, compared to 1.07 million acres planted last year. Amidon is a high yielding, hard red spring wheat with a medium quality rating for test weight and grain protein. It is highly resistant to stem and leaf rust and sawfly infestation. This variety has superior baking and milling qualities.

**Westbred Rambo** remained the third most popular variety with 277 thousand acres planted this year in the state. This is a drop from last year's 436 thousand acres seeded. Westbred Rambo is a medium maturity variety with a high test weight rating and good yield. It is very resistant to stem rust and sawfly infestation.

**Ernest** moved up to the fourth place position after a significant increase in planted acres. This year Ernest accounted for 7.6 percent of the state's seeded acreage with 272 thousand acres planted. An early maturing variety, Ernest is rated with a high test weight and medium grain protein levels. It is highly resistant to sawfly infestation, stem and leaf rust and has good milling and baking qualities.

The top four varieties accounted for 59 percent of the spring wheat acreage seeded in 1998, just below the 60 percent reported for 1997.

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 fifth consecutive year. Over 170 thousand acres of Kyle were planted in the state, accounting for 38 percent of the total seeded acres. This is an increase of 60 thousand acres from last year's report. Kyle is a late maturing variety with high grain protein and a high yield potential. It has good resistance to stem and leaf rust.

**Sceptre** moved up from the sixth place position last year to become the second most popular durum variety with nearly 56 thousand acres planted. Acres of Sceptre planted increased 41 thousand acres from 1997 and this variety accounts for 12 percent of total acres seeded to durum. Sceptre is a moderately early maturing variety that is highly resistant to stem rust. It is medium to tall in height, but has a fairly stiff straw.

**Vic** is another variety to move up in ranking from its fifth place position last year. Now the third highest variety, 32 thousand acres were seeded in the state compared to 22 thousand acres in 1997. This accounts for almost 7 percent of total seeded acres. Vic is a tall variety that matures moderately early and has high grain protein levels. It has good shatter resistance and is highly tolerant to root rot.

**Monroe** dropped to the fourth position after two years in second place. Montana farmers planted 29 thousand acres of Monroe, a significant drop from the 41 thousand acres seeded last year. This early maturing variety is resistant to stem and leaf rust and has medium resistance to lodging for dryland farming.

These top four varieties account for 64 percent of total acres seeded to durum wheat. This is comparable to the 69 percent reported in 1997.

Variety	North Central		North East		Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	10.2	8.9	159.2	53.6	2.7	13.3	--	--	172.1	38.2
Sceptre	51.1	44.4	--	--	4.7	23.4	--	--	55.8	12.4
Vic	0.5	0.4	31.8	10.7	--	--	--	--	32.3	7.2
Monroe	3.6	3.1	25.8	8.7	--	--	--	--	29.4	6.6
Renville	2.5	2.2	18.1	6.1	--	--	5.5	31.0	26.1	5.8
Medora	0.3	0.3	24.1	8.1	0.4	2.0	--	--	24.8	5.5
Voss	17.9	15.6	1.2	0.4	--	--	--	--	19.1	4.2
Westbred Laker	6.6	5.7	7.1	2.4	--	--	0.5	3.0	14.2	3.2
Coyote	1.4	1.2	8.0	2.7	--	--	--	--	9.4	2.1
Ward	0.1	0.1	7.1	2.4	--	--	--	--	7.2	1.6
Kronos	6.9	6.0	--	--	--	--	--	--	6.9	1.5
Crosby	--	--	2.7	0.9	--	--	--	--	2.7	0.6
Stockholm	1.8	1.6	--	--	--	--	--	--	1.8	0.4
Durex	1.0	0.9	--	--	--	--	--	--	1.0	0.2
Westbred 881	--	--	0.3	0.1	--	--	0.7	4.0	1.0	0.2
Ben	0.6	0.5	0.3	0.1	--	--	--	--	0.9	0.2
Cando	--	--	--	--	0.5	2.7	--	--	0.5	0.1
Kemut	0.3	0.3	--	--	--	--	--	--	0.3	0.1
Other & Unknown	10.2	8.8	11.3	3.8	11.7	58.6	11.3	62.0	44.5	9.9
State	115.0	100.0	297.0	100.0	20.0	100.0	18.0	100.0	450.0	100.0

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1992	1993	1994	1995	1996	1997 <sup>1</sup>	1998	1997 <sup>1</sup>	1998
Kyle	2.4	7.0	23.6	23.4	20.4	38.4	38.2	111.5	172.1
Sceptre	--	--	--	3.8	3.1	5.1	12.4	14.9	55.8
Vic	26.6	7.7	9.3	17.7	13.9	7.4	7.2	21.6	32.3
Monroe	10.3	24.2	22.5	11.1	20.5	14.1	6.6	40.9	29.4
Renville	5.9	2.8	7.4	10.0	9.0	8.4	5.8	24.3	26.1
Medora	20.8	18.0	3.4	6.0	2.4	8.7	5.5	25.2	24.8
Voss	--	--	--	--	--	1.0	4.2	2.9	19.1
Westbred Laker	8.9	23.5	14.5	3.8	3.1	2.7	3.2	7.9	14.2
Coyote	--	--	--	--	--	--	2.1	--	9.4
Ward	5.8	1.3	4.6	4.7	5.4	1.9	1.6	5.4	7.2
Kronos	--	--	--	--	--	--	1.5	--	6.9
Crosby	4.8	2.8	6.4	3.5	7.8	5.1	0.6	14.7	2.7
Stockholm	--	--	--	--	--	--	0.4	--	1.8
Durex	--	--	--	--	0.8	1.0	0.2	2.9	1.0
Westbred 881	--	--	--	--	0.2	0.1	0.2	0.3	1.0
Ben	--	--	--	--	--	--	0.2	--	0.9
Cando	--	--	--	--	--	--	0.1	--	0.5
Kemut	--	--	1.1	0.3	0.5	0.7	0.1	1.9	0.3
Other & Unknown	14.5	12.7	7.2	15.7	12.9	5.4	9.9	15.6	44.5
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	290.0	450.0

<sup>1</sup> Revised

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1998

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.2	1.5	80.0	12.3	9.7	9.2	125.1	39.7	15.2	43.4	36.9	18.0	4.7	5.9	271.8	19.4
Rocky	--	--	164.5	25.3	1.4	1.3	22.1	7.0	1.4	4.0	4.9	2.4	--	--	194.3	13.9
Tiber	--	--	71.5	11.0	10.0	9.5	51.3	16.3	--	--	48.4	23.6	10.2	12.7	191.4	13.7
Vanguard	--	--	101.4	15.6	--	--	31.2	9.9	--	--	12.1	5.9	--	--	144.7	10.3
Redwin	--	--	13.7	2.1	0.5	0.5	7.9	2.5	1.4	4.1	39.8	19.4	13.4	16.7	76.7	5.5
Judith	--	--	55.9	8.6	--	--	5.4	1.7	--	--	0.6	0.3	--	--	61.9	4.4
Big Horn	--	--	27.3	4.2	0.6	0.6	20.5	6.5	--	--	--	--	--	--	48.4	3.5
Winalta	--	--	6.5	1.0	23.4	22.3	4.7	1.5	--	--	--	--	13.0	16.2	47.6	3.4
Morgan	--	--	29.3	4.5	--	--	0.3	0.1	--	--	0.2	0.1	2.6	3.2	32.4	2.3
Norstar	--	--	14.3	2.2	12.8	12.2	0.6	0.2	--	--	--	--	1.6	2.0	29.3	2.1
Roughrider	--	--	--	--	21.6	20.6	--	--	--	--	3.1	1.5	0.6	0.7	25.3	1.8
Rampart	--	--	16.9	2.6	--	--	1.9	0.6	0.5	1.4	5.9	2.9	--	--	25.2	1.8
Kestrel	--	--	9.1	1.4	2.4	2.3	0.9	0.3	--	--	1.2	0.6	5.2	6.5	18.8	1.3
Hawk	--	--	14.3	2.2	--	--	--	--	--	--	3.9	1.9	--	--	18.2	1.3
Quantum 542	--	--	11.7	1.8	--	--	0.3	0.1	--	--	1.6	0.8	--	--	13.6	1.0
Centurk	--	--	7.8	1.2	--	--	4.1	1.3	--	--	--	--	1.4	1.8	13.3	1.0
Siouxland	--	--	--	--	--	--	3.5	1.1	--	--	9.4	4.6	--	--	12.9	0.9
Warrior	--	--	--	--	0.8	0.8	--	--	--	--	3.7	1.8	4.9	6.1	9.4	0.7
Promontory	--	--	--	--	--	--	3.8	1.2	--	--	5.5	2.7	--	--	9.3	0.7
Cheyenne	--	--	--	--	7.0	6.7	0.9	0.3	--	--	--	--	--	--	7.9	0.6
Stephens <sup>1</sup>	1.7	17.3	--	--	--	--	--	--	5.3	15.1	--	--	--	--	7.0	0.5
Weston	--	--	--	--	--	--	--	--	--	--	6.6	3.2	--	--	6.6	0.5
Rose	--	--	--	--	--	--	--	--	--	--	--	--	5.8	7.3	5.8	0.4
Yuma	0.6	5.8	3.3	0.5	--	--	0.3	0.1	--	--	1.6	0.8	--	--	5.8	0.4
Other & Unknown	7.5	75.4	22.5	3.5	14.8	14.0	30.2	9.6	11.2	32.0	19.6	9.5	16.6	20.9	122.4	8.6
State	10.0	100.0	650.0	100.0	105.0	100.0	315.0	100.0	35.0	100.0	205.0	100.0	80.0	100.0	1400.0	100.0

Winter Wheat: Percent of Total Seeded Acreage 1992-1998 & Seeded Acreage 1997-1998

Variety	Percent of Total Seeded Acreage								Seeded Acres	
	1992	1993	1994	1995	1996	1997 <sup>2</sup>	1998	1997 <sup>2</sup>	1998	
	Neeley	25.0	18.4	23.3	23.6	24.6	24.3	19.4	389.5	271.8
Rocky	12.5	14.8	13.3	16.5	14.6	19.1	13.9	305.0	194.3	
Tiber	13.5	10.7	16.2	12.4	16.5	13.4	13.7	213.7	191.4	
Vanguard	--	--	--	--	--	0.8	10.3	12.1	144.7	
Redwin	9.9	10.8	10.0	8.9	11.4	10.6	5.5	170.2	76.7	
Judith	7.0	9.8	10.2	8.2	3.7	3.4	4.4	54.8	61.9	
Big Horn	0.3	1.0	1.3	0.7	4.0	2.3	3.5	36.5	48.4	
Winalta	6.1	5.8	4.4	2.8	3.5	1.9	3.4	30.6	47.6	
Morgan	--	--	--	--	--	--	2.3	--	32.4	
Norstar	7.6	6.4	2.0	4.0	1.8	1.8	2.1	29.0	29.3	
Roughrider	2.8	2.0	1.8	1.0	2.1	2.3	1.8	36.3	25.3	
Rampart	--	--	--	--	--	--	1.8	0.4	25.2	
Kestrel	--	--	0.1	0.4	1.4	4.0	1.3	63.6	18.8	
Hawk	1.0	1.0	0.9	2.4	0.9	1.7	1.3	27.0	18.2	
Quantum 542	--	0.3	1.1	1.8	0.6	1.2	1.0	18.8	13.6	
Centurk	3.3	2.4	2.6	3.1	3.1	1.5	1.0	24.7	13.3	
Siouxland	--	--	--	--	--	--	0.9	--	12.9	
Warrior	0.7	1.1	1.7	0.7	0.4	0.6	0.7	9.6	9.4	
Promontory	--	--	--	--	0.3	--	0.7	--	9.3	
Cheyenne	0.8	1.0	0.6	0.8	0.1	0.2	0.6	2.7	7.9	
Stephens <sup>1</sup>	0.2	0.6	0.2	0.9	0.6	0.4	0.5	7.0	7.0	
Weston	0.6	0.2	1.1	0.6	0.6	0.5	0.5	7.9	6.6	
Rose	0.1	0.1	0.8	--	0.3	0.2	0.4	3.8	5.8	
Yuma	--	--	--	--	--	0.5	0.4	7.6	5.8	
Other & Unknown	8.6	13.6	8.4	11.2	9.5	9.3	8.6	149.2	122.4	
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,600.0	1,400.0	

<sup>1</sup> Soft White Wheat    <sup>2</sup> Revised

Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1998

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	1.3	5.0	355.0	22.9	463.3	32.4	65.2	24.6	2.1	5.2	38.0	33.0	39.2	22.4	964.1	26.8
Amidon	--	--	173.6	11.2	351.8	24.6	27.3	10.3	--	--	19.6	17.0	48.7	27.8	621.0	17.3
Westbred Rambo	1.6	6.4	240.3	15.5	5.7	0.4	27.8	10.5	--	--	0.2	0.2	1.2	0.7	276.8	7.7
Ernest	--	--	189.1	12.2	51.5	3.6	14.3	5.4	--	--	11.5	10.0	5.8	3.3	272.2	7.6
Fortuna	--	--	187.6	12.1	20.0	1.4	13.8	5.2	0.8	2.0	4.4	3.8	3.3	1.9	229.9	6.4
Grandin	--	--	38.8	2.5	148.7	10.4	12.2	4.6	--	--	--	--	22.4	12.8	222.1	6.2
Stoa	--	--	23.3	1.5	85.8	6.0	--	--	--	--	--	--	13.1	7.5	122.2	3.4
Hi-Line	--	--	80.6	5.2	11.4	0.8	4.8	1.8	4.0	10.0	0.2	0.2	2.8	1.6	103.8	2.9
Kulm	0.4	1.7	55.8	3.6	1.4	0.1	5.6	2.1	1.8	4.4	1.4	1.2	3.3	1.9	69.7	1.9
Newana	--	--	3.1	0.2	65.8	4.6	--	--	--	--	--	--	0.7	0.4	69.6	1.9
Westbred 926	2.2	8.6	24.8	1.6	--	--	27.6	10.4	6.9	17.3	3.1	2.7	2.5	1.4	67.1	1.9
Lew	--	--	43.4	2.8	7.1	0.5	5.3	2.0	--	--	7.1	6.2	1.6	0.9	64.5	1.8
Len	--	--	--	--	60.1	4.2	--	--	--	--	0.8	0.7	3.5	2.0	64.4	1.8
Westbred 936	10.1	40.3	23.3	1.5	--	--	13.0	4.9	9.5	23.8	1.8	1.6	--	--	57.7	1.6
Fergus	--	--	4.7	0.3	--	--	12.5	4.7	3.0	7.4	1.3	1.1	--	--	21.5	0.6
Bergen	--	--	--	--	18.6	1.3	--	--	--	--	--	--	--	--	18.6	0.5
Westbred Express	2.8	11.2	--	--	--	--	4.5	1.7	5.0	12.5	5.1	4.4	--	--	17.4	0.5
Gus	--	--	--	--	15.7	1.1	--	--	--	--	--	--	--	--	15.7	0.4
Butte 86	--	--	--	--	8.6	0.6	--	--	--	--	--	--	4.7	2.7	13.3	0.4
Tioga	--	--	--	--	12.9	0.9	--	--	--	--	--	--	--	--	12.9	0.4
Sonja	--	--	7.8	0.5	1.4	0.1	--	--	--	--	--	--	--	--	9.2	0.3
Bounty 309	--	--	--	--	5.7	0.4	2.1	0.8	--	--	--	--	--	--	7.8	0.2
Olaf	--	--	--	--	2.9	0.2	1.1	0.4	--	--	2.4	2.1	0.2	0.1	6.6	0.2
Penawawa <sup>1</sup>	2.6	10.4	1.6	0.1	--	--	--	--	1.4	3.5	--	--	--	--	5.6	0.2
Other & Unknown	4.0	16.4	97.2	6.3	91.6	6.4	27.9	10.6	5.5	13.9	18.1	15.8	22.0	12.6	266.3	7.1
State	25.0	100.0	1550.0	100.0	1430.0	100.0	265.0	100.0	40.0	100.0	115.0	100.0	175.0	100.0	3600.0	100.0

Spring Wheat: Percent of Total Seeded Acreage 1992-1998 & Seeded Acreage 1997-1998

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1992	1993	1994	1995	1996	1997 <sup>2</sup>	1998	1997 <sup>2</sup>	1998
McNeal	--	--	--	--	1.3	16.2	26.8	706.6	964.1
Amidon	19.6	29.0	27.9	29.9	28.0	24.7	17.3	1,074.0	621.0
Westbred Rambo	16.7	15.5	11.9	10.5	9.9	10.0	7.7	435.6	276.8
Ernest	--	--	--	--	0.2	3.2	7.6	137.5	272.2
Fortuna	6.6	6.6	8.0	8.3	5.9	6.3	6.4	272.9	229.9
Grandin	0.7	3.4	8.5	7.3	8.8	8.9	6.2	388.5	222.1
Stoa	6.7	5.9	5.7	3.6	6.1	4.5	3.4	197.7	122.2
Hi-Line	--	0.4	2.4	4.3	5.6	3.1	2.9	135.5	103.8
Newana	12.9	8.2	6.9	5.8	5.0	2.4	1.9	106.1	69.7
Kulm	--	--	--	--	0.5	0.4	1.9	19.1	69.6
Westbred 926	0.9	1.5	2.0	3.0	2.5	2.7	1.9	117.0	67.1
Lew	8.7	5.0	7.2	4.9	4.4	2.5	1.8	106.8	64.5
Len	8.1	6.6	6.3	6.3	3.6	3.1	1.8	135.3	64.4
Westbred 936	--	--	0.2	0.3	1.4	1.0	1.6	44.0	57.7
Fergus	--	--	--	0.2	0.6	0.8	0.6	36.7	21.5
Bergen	--	--	--	--	0.6	0.4	0.5	15.7	18.6
Westbred Express	--	--	0.3	0.4	0.3	0.6	0.5	27.4	17.4
Gus	0.1	--	0.1	0.6	1.3	0.6	0.4	27.5	15.7
Butte 86	0.5	0.4	0.1	0.9	0.7	1.4	0.4	58.9	13.3
Tioga	--	--	--	--	--	0.2	0.4	7.9	12.9
Sonja	--	--	--	--	0.1	0.3	0.3	12.6	9.2
Bounty 309	--	--	0.2	0.5	0.2	0.4	0.2	17.2	7.8
Olaf	2.7	2.8	2.2	1.1	0.5	0.6	0.2	24.6	6.6
Penawawa <sup>1</sup>	--	--	--	--	0.4	0.2	0.2	9.4	5.6
Other & Unknown	15.8	14.7	10.1	12.1	12.1	5.5	7.1	235.5	266.3
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4,350.0	3,600.0

<sup>1</sup> Soft White Wheat    <sup>2</sup> Revised



# WHEAT VARIETIES 1997

Released: July 11, 1997



Montana  
Agricultural  
Statistics  
Service

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## WINTER WHEAT

**Neeley** continued to be the leading variety of winter wheat seeded in Montana for the tenth consecutive year with over 375 thousand acres planted in the state. It is a hard red, semi-dwarf winter wheat that generally has 1 to 3 percent lower protein than most recommended hard red winter wheats. Neeley has satisfactory milling and baking qualities.

**Rocky** moved up to second place this year from its third place position a year ago to become the second most popular winter wheat in the state. Montana farmers planted over 300 thousand acres of Rocky. It is a hard red winter wheat that has superior yields under most conditions. Rocky has average milling and baking qualities.

**Tiber** traded places with Rocky to fall to third place this year. It accounted for slightly more than 13 percent of the winter wheat planted in the state, down more than 130 thousand acres from last year. A hard red winter wheat, Tiber has high yield potential, good shatter resistance, and good winter hardiness. Tiber has average milling and baking qualities and is resistant to leaf spot complex.

**Redwin** maintained its fourth place position for the fourth consecutive year, accounting for nearly 10 percent of the winter wheat acreage in Montana. It has excellent protein levels, good yield potential and winter hardiness. Redwin is also shatter and lodging resistant and has very good milling and baking qualities.

These top four varieties accounted for 66 percent of the winter wheat acreage seeded in 1997, very comparable to the 67 percent for the same varieties in 1996.

## SPRING WHEAT

**Amidon** maintained its number one position for the sixth consecutive year although producers planted 100 thousand fewer acres than in 1996. It accounts for almost 25 percent of the seeded spring wheat in Montana, and over half the Amidon acreage was seeded in the Northeast district. A hard red spring wheat, Amidon's baking qualities are rated as superior with satisfactory milling qualities.

**McNeal** was the most popular newly discovered variety, increasing its percent planted from 1.3 in 1996 to 16 percent this year. Developed in Montana and released in 1995, McNeal has superior yield and average protein levels. The variety also has good milling and baking qualities.

**Westbred Rambo** dropped a place to third after seven consecutive years as the second most popular spring wheat in the state. Accounting for almost 10 percent of the statewide seeded spring wheat acreage, more than 85 percent of Westbred Rambo was seeded in the North Central district of the state. It has excellent yield potential, is resistant to stem rust and very resistant to sawfly.

**Grandin** held steady from 1996, maintaining its fourth place position with 9 percent of the spring wheat acreage. Farmers planted 385 thousand acres of Grandin this year with a high majority planted in the Northeast district. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein rating.

The top four varieties accounted for almost 60 percent of the spring wheat acreage seeded in 1997 compared with 49 percent for the same varieties in 1996.

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

Peggy Stringer  
State Statistician

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## DURUM WHEAT

**Kyle** maintained its position as the top durum variety for the fourth year, doubling its seeded acreage from last year. Montana farmers planted over 120 thousand acres of Kyle which accounted for almost 40 percent of the durum wheat statewide. Developed in Canada and released in 1984, it is resistant to prevalent races of leaf and stem rust. It has an overall quality rating of good.

**Monroe** remained in the second place position this year, although acres seeded dropped by over 12 thousand acres. Monroe accounting for 14 percent of the durum acreage, down from 20 percent in 1996. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. It also has high yields and matures early which makes it a well-suited wheat variety for growing in durum areas.

**Medora** increased its percent planted from 2 percent in 1996 to over 8 percent this year, making it the third most popular durum wheat. Wheat producers in the Northeast district seeded over 27 thousand acres of Medora. Released in 1983 in Canada, it is resistant to leaf and stem rust and has a mid-early maturity.

**Renville** retained its fourth place finish for the third year, accounting for about 8 percent of the durum acreage. It has shown good resistance to stem and leaf rust and in trials has high test weights and good yields. Renville has good milling characteristics and the spaghetti color and cooking characteristics are acceptable.

These top four varieties accounted for 69 percent of the durum wheat acreage compared to 52 percent in 1996.

Variety	Northeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%
Kyle	109.2	40.7	13.6	26.2	122.8	38.4
Monroe	44.9	16.7	--	--	44.9	14.0
Medora	27.5	10.3	--	--	27.5	8.6
Renville	26.0	9.7	0.6	1.1	26.6	8.3
Vic	23.5	8.8	--	--	23.5	7.4
Sceptre	--	--	17.3	33.3	17.3	5.4
Crosby	16.1	6.0	--	--	16.1	5.0
Westbred Laker	2.3	0.9	6.6	12.6	8.9	2.8
Ward	5.9	2.2	--	--	5.9	1.9
Durex	--	--	3.3	6.4	3.3	1.0
Voss	2.2	0.8	1.1	2.1	3.3	1.0
Plenty	--	--	2.8	5.3	2.8	0.9
Kemut	1.8	0.7	0.2	0.4	2.0	0.6
Westbred 881	--	--	0.3	0.6	0.3	0.1
Other & Unknown	8.6	3.2	6.2	12.0	14.8	4.6
State	268.0	100.0	52.0	100.0	320.0	100.0

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 <sup>1</sup>	1997	1996 <sup>1</sup>	1997
Kyle	--	2.4	7.0	23.6	23.4	20.4	38.4	57.2	122.8
Monroe	14.2	10.3	24.2	22.5	11.1	20.5	14.0	57.4	44.9
Medora	14.0	20.8	18.0	3.4	6.0	2.4	8.6	6.7	27.5
Renville	6.0	5.9	2.8	7.4	10.0	9.0	8.3	25.2	26.6
Vic	15.5	26.6	7.7	9.3	17.7	13.9	7.4	38.9	23.5
Sceptre	0.1	--	--	--	3.8	3.1	5.4	8.8	17.3
Crosby	4.3	4.8	2.8	6.4	3.5	7.8	5.0	21.9	16.1
Westbred Laker	12.6	8.9	23.5	14.5	3.8	3.1	2.8	8.6	8.9
Ward	14.1	5.8	1.3	4.6	4.7	5.4	1.9	15.2	5.9
Durex	--	--	--	--	--	0.8	1.0	2.1	3.3
Voss	--	--	--	--	--	--	1.0	19.9	3.3
Plenty	--	--	--	1.7	3.7	7.1	0.9	1.4	2.8
Kemut	--	--	--	1.1	0.3	0.5	0.6	0.5	2.0
Westbred 881	--	--	--	--	--	0.2	0.1	16.2	0.3
Other & Unknown	19.2	14.5	12.7	5.5	12.0	5.8	4.6		14.8
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	280.0	320.0

<sup>1</sup> Revised

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.1	0.9	91.6	12.2	21.8	15.6	198.6	60.2	18.9	63.0	44.8	21.3	-	-	375.8	23.4
Rocky	-	-	245.9	33.0	11.2	8.0	29.3	9.0	1.6	5.6	11.8	5.6	0.8	0.6	300.6	18.7
Tiber	-	-	109.2	14.6	21.8	15.6	29.2	8.9	-	-	28.7	13.7	28.1	22.2	217.0	13.6
Redwin	-	-	30.0	4.0	2.5	1.8	4.4	1.3	2.5	8.2	82.0	39.0	46.7	37.1	168.1	10.5
Kestrel	-	-	38.9	5.2	4.4	3.1	13.6	4.1	-	-	0.2	0.1	7.9	6.3	65.0	4.1
Judith	0.1	0.9	48.6	6.5	-	-	3.1	0.9	-	-	2.1	1.0	-	-	53.9	3.4
Roughrider	-	-	-	-	36.1	25.8	-	-	-	-	-	-	10.1	8.0	46.2	2.9
Winalta	0.2	1.5	4.1	0.6	21.6	15.4	2.8	0.8	-	-	-	-	7.8	6.2	36.5	2.3
Big Horn	-	-	19.5	2.6	1.5	1.0	14.9	4.5	-	-	-	-	-	-	35.9	2.2
Norstar	-	-	20.5	2.7	2.5	1.8	5.8	1.8	-	-	-	-	0.3	0.3	29.1	1.8
Hawk	-	-	20.1	2.7	-	-	0.3	0.1	-	-	5.4	2.6	-	-	25.8	1.6
Centurk	-	-	23.8	3.2	-	-	-	-	0.5	1.5	-	-	-	-	24.3	1.5
Quantum 542	-	-	12.2	1.6	-	-	4.4	1.3	0.1	0.2	1.7	0.8	0.1	0.1	18.5	1.2
Vanguard	-	-	8.6	1.1	-	-	0.2	-	-	-	3.3	1.6	-	-	12.1	0.8
Sierra	2.4	15.3	0.9	0.1	-	-	0.1	-	-	-	7.3	3.5	-	-	10.7	0.7
Rose	-	-	-	-	1.4	1.0	-	-	-	-	-	-	8.2	6.5	9.6	0.6
Warrior	-	-	-	-	-	-	-	-	-	-	8.2	3.9	0.3	0.2	8.5	0.5
Arapahoe	-	-	-	-	0.3	0.2	-	-	-	-	-	-	7.5	5.9	7.8	0.5
Stephens <sup>1</sup>	5.9	36.3	-	-	-	-	0.3	0.1	1.1	3.8	-	-	-	-	7.3	0.5
Weston	-	-	-	-	-	-	-	-	-	-	7.0	3.3	-	-	7.0	0.4
Agassiz	-	-	-	-	4.0	2.9	-	-	-	-	-	-	-	-	4.0	0.3
Yuma	0.6	3.5	0.5	0.1	-	-	2.4	0.7	-	-	-	-	-	-	3.5	0.2
Cheyenne	-	-	-	-	2.1	1.5	0.5	0.2	-	-	-	-	0.3	0.3	2.9	0.2
Cashup <sup>1</sup>	-	-	-	-	-	-	-	-	-	-	-	-	2.0	1.6	2.0	0.1
Other and Unknown	6.7	41.6	73.6	9.8	8.8	6.3	20.1	6.1	5.3	17.7	7.5	3.6	5.9	4.7	127.9	8.0
State	16.0	100.0	748.0	100.0	140.0	100.0	330.0	100.0	30.0	100.0	210.0	100.0	126.0	100.0	1600.0	100.0

Winter Wheat: Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 <sup>2</sup>	1997	1996 <sup>2</sup>	1997
Neeley	24.7	25.0	18.4	23.3	23.6	24.6	23.4	528.8	375.8
Rocky	14.0	12.5	14.8	13.3	16.5	14.6	18.7	314.6	300.6
Tiber	11.7	13.5	10.7	16.2	12.4	16.5	13.6	353.9	217.0
Redwin	13.0	9.9	10.8	10.0	8.9	11.4	10.5	245.1	168.1
Kestrel	-	-	-	0.1	0.4	1.4	4.1	31.1	65.0
Judith	0.8	7.0	9.8	10.2	8.2	3.7	3.4	78.6	53.9
Roughrider	3.6	2.8	2.0	1.8	1.0	2.1	2.9	44.4	46.2
Winalta	5.8	6.1	5.8	4.4	2.8	3.5	2.3	75.0	36.5
Big Horn	0.8	0.3	1.0	1.3	0.7	4.0	2.2	85.7	35.9
Norstar	6.6	7.6	6.4	2.0	4.0	1.8	1.8	37.8	29.1
Hawk	0.9	1.0	1.0	0.9	2.4	0.9	1.6	18.5	25.8
Centurk	2.4	3.3	2.4	2.6	3.1	3.1	1.5	65.6	24.3
Quantum 542	-	-	0.3	1.1	1.8	0.6	1.2	12.3	18.5
Vanguard	-	-	-	-	-	-	0.8	-	12.1
Sierra	-	-	0.1	0.2	0.1	0.6	0.7	12.9	10.7
Rose	0.1	0.1	0.1	0.8	-	0.3	0.6	5.6	9.6
Warrior	0.4	0.7	1.1	1.7	0.7	0.4	0.5	9.0	8.5
Arapahoe	-	-	-	-	0.2	0.3	0.5	5.9	7.8
Stephens <sup>1</sup>	0.2	0.2	0.6	0.2	0.9	0.6	0.5	11.9	7.3
Weston	1.8	0.6	0.2	1.1	0.6	0.6	0.4	13.4	7.0
Agassiz	0.7	0.1	0.8	0.4	0.2	0.3	0.3	5.6	4.0
Yuma	-	-	-	-	-	-	0.2	-	3.5
Cheyenne	1.2	0.8	1.0	0.6	0.8	0.1	0.2	1.4	2.9
Cashup <sup>1</sup>	-	-	-	-	-	-	0.1	-	2.0
Other & Unknown	11.3	8.5	12.7	7.8	10.7	8.6	8.0	192.9	127.9
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2,150.0	1,600.0

<sup>1</sup> Soft White Wheat: <sup>2</sup> Revised

Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amldon	-	-	338.3	18.2	544.1	31.6	64.9	19.1	7.0	12.0	24.1	19.8	91.4	39.7	1069.8	24.6
McNeal	0.2	0.6	322.9	17.5	309.2	17.9	47.6	14.0	2.7	4.6	11.6	9.5	9.7	4.2	703.9	16.1
Westbred Rambo	-	-	363.4	19.6	49.1	2.9	15.0	4.4	2.1	3.6	-	-	-	-	429.6	9.9
Grandin	-	-	105.6	5.7	225.2	13.1	29.7	8.7	-	-	2.7	2.2	22.3	9.7	385.5	8.9
Fortuna	-	-	234.4	12.7	-	-	17.9	5.3	-	-	18.2	15.0	1.4	0.6	271.9	6.3
Stoa	-	-	48.6	2.6	111.7	6.5	-	-	-	-	-	-	32.9	14.3	193.2	4.4
Ernest	-	-	53.4	2.9	74.8	4.4	2.8	0.8	1.7	3.0	2.8	2.3	0.5	0.2	136.0	3.1
Hi-Line	1.6	5.2	76.9	4.2	31.1	1.8	12.3	3.6	2.9	5.0	-	-	9.4	4.1	134.2	3.1
Len	-	-	1.8	0.1	130.1	7.8	-	-	-	-	-	-	1.4	0.6	133.3	3.1
Westbred 926	6.6	22.0	38.5	2.1	3.7	0.2	40.0	11.7	14.5	25.0	25.7	21.0	1.1	0.5	130.1	3.0
Lew	-	-	70.0	3.8	10.9	0.6	5.3	1.6	-	-	15.1	12.3	6.7	2.9	108.0	2.5
Newana	0.5	1.5	64.0	3.5	1.4	0.1	21.3	6.3	-	-	-	-	16.7	7.3	103.9	2.4
Butte 86	-	-	-	-	44.5	2.6	-	-	-	-	-	-	12.6	5.5	57.1	1.3
Westbred 936	2.6	8.5	27.6	1.5	-	-	3.7	1.1	11.9	20.5	3.0	2.5	-	-	48.8	1.1
Fergus	-	-	16.5	0.9	3.9	0.2	17.4	5.1	-	-	0.5	0.4	-	-	38.3	0.9
Westbred Express	9.1	30.7	-	-	-	-	11.8	3.5	3.8	6.5	3.0	2.5	2.3	1.0	30.0	0.7
Gus	-	-	2.6	0.1	19.3	1.1	7.3	2.1	-	-	-	-	-	-	29.2	0.7
Olaf	-	-	0.1	-	24.3	1.4	-	-	-	-	-	-	0.2	0.1	24.6	0.6
Kulm	-	-	-	-	19.5	1.1	-	-	-	-	-	-	-	-	19.5	0.4
Bounty 309	-	-	-	-	15.2	0.9	1.6	0.5	-	-	-	-	-	-	16.8	0.4
Bergen	-	-	-	-	13.3	0.8	-	-	-	-	-	-	1.5	0.7	14.8	0.3
Border	-	-	10.5	0.6	-	-	1.6	0.5	1.7	2.9	-	-	-	-	13.8	0.3
Glenman	-	-	13.3	0.7	-	-	-	-	-	-	-	-	-	-	13.3	0.3
Sonja	-	-	5.6	0.3	7.0	0.4	-	-	-	-	-	-	-	-	12.6	0.3
Other & Unknown	9.4	31.5	56.0	3.0	81.7	4.8	39.8	11.7	9.7	16.9	15.3	12.5	19.9	8.6	231.8	5.3
State	30.0	100.0	1850.0	100.0	1720.0	100.0	340.0	100.0	58.0	100.0	122.0	100.0	230.0	100.0	4350.0	100.0

Spring Wheat: Percent of Total Seeded Acreage 1991-97 &amp; Seeded Acreage 1996-97

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 <sup>1</sup>	1997	1996 <sup>1</sup>	1997
Amldon	11.7	19.6	29.0	27.9	29.9	28.0	24.6	1,174.7	1,069.9
McNeal	-	-	-	-	-	1.3	16.1	55.6	703.9
Westbred Rambo	13.5	16.7	15.5	11.9	10.5	9.9	9.9	417.4	429.6
Grandin	0.2	0.7	3.4	8.5	7.3	8.8	8.9	369.0	385.5
Fortuna	8.2	6.6	6.6	8.0	8.3	5.9	6.3	248.5	272.0
Stoa	8.1	6.7	5.9	5.7	3.6	6.1	4.4	257.4	193.2
Ernest	-	-	-	-	-	0.2	3.1	8.7	136.0
Hi-Line	-	-	0.4	2.4	4.3	5.6	3.1	236.6	134.2
Len	11.9	8.1	6.6	6.3	6.3	3.6	3.1	152.9	133.3
Westbred 926	0.7	0.9	1.5	2.0	3.0	2.5	3.0	105.5	130.1
Lew	14.1	8.7	5.0	7.2	4.9	4.4	2.5	185.2	107.9
Newana	13.3	12.9	8.2	6.9	5.8	5.0	2.4	211.2	103.8
Butte 86	2.0	0.5	0.4	0.1	0.9	0.7	1.3	31.0	57.1
Westbred 936	-	-	-	0.2	0.3	1.4	1.1	57.8	48.7
Fergus	-	-	-	-	0.2	0.6	0.9	23.3	38.4
Westbred Express	-	-	-	0.3	0.4	0.3	0.7	13.5	30.2
Gus	0.1	0.1	-	0.1	0.6	1.3	0.7	56.4	29.1
Olaf	3.6	2.7	2.8	2.2	1.1	0.5	0.6	19.0	24.5
Kulm	-	-	-	-	-	0.5	0.4	20.3	19.5
Bounty 309	-	-	-	0.2	0.5	0.2	0.4	8.7	16.8
Bergen	-	-	-	-	-	0.6	0.3	24.7	14.8
Border	-	-	-	-	0.2	0.8	0.3	35.5	13.7
Glenman	-	1.4	1.3	0.9	0.7	0.3	0.3	11.8	13.3
Sonja	-	-	-	-	-	0.1	0.3	3.8	12.5
Other & Unknown	12.6	14.4	13.4	9.2	11.2	11.4	5.3	471.5	232.0
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4,200.0	4,350.0

<sup>1</sup> Revised

# WHEAT VARIETIES 1996



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Released: July 12, 1996

## WINTER WHEAT

**Neeley** continued to be the leading variety of winter wheat seeded in Montana for the ninth consecutive year. More than a quarter of the total winter wheat acreage in the state was seeded to Neeley. It is a hard red winter wheat that generally has 1 to 3 percent lower protein than most recommended hard red winter wheats. Neeley has satisfactory milling and baking qualities.

**Tiber** moved up to second place this year from its third place position a year ago. It accounted for almost one sixth of the winter wheat planted in the state, nearly doubling in planted acreage from last year. A hard red winter wheat, Tiber has high yield potential, good shatter resistance and good winter hardiness. Tiber has average milling and baking qualities.

**Rocky** fell one position into third place this year even though Montana farmers planted more than 305 thousand acres this season. It is a hard red winter wheat that has superior yields under most conditions. Rocky has average milling and baking qualities.

**Redwin** maintained its fourth place position for the third consecutive year, accounting for nearly 12 percent of the winter wheat acreage in Montana. It has excellent protein levels, good yield potential, winter hardiness and is shatter and lodging resistant. Redwin has very good milling and baking qualities.

These top four varieties accounted for 67 percent of the winter wheat acreage seeded in 1996 compared with 61 percent for the same varieties in 1995.

## SPRING WHEAT

**Amidon** maintained its number one position for the fifth consecutive year although producers planted almost 50 thousand fewer acres. It accounts for 27 percent of the seeded spring wheat in the state of Montana. Over half the Amidon was seeded in the North East district. Amidon has satisfactory shattering resistance and is resistant to stem and leaf rust. Amidon's baking qualities are rated as superior with satisfactory milling qualities.

**Westbred Rambo** retained its second place position for the sixth consecutive year, accounting for almost 11 percent of the seeded spring wheat acreage. More than 82 percent of Westbred Rambo was seeded in the North Central district of the state. It has excellent yield potential and is resistant to stem rust and very resistant to sawfly.

**Grandin** moved up one position from last year accounting for nearly 9 percent of the spring wheat acreage. Farmers planted 355 thousand acres of Grandin this year. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein rating. It has a good quality rating.

**Fortuna** dropped one place to the fourth position this year and accounts for nearly 7 percent of the spring wheat planted in the State. About 50 thousand fewer acres of Fortuna were seeded this year than 1995. A high yielding hard red spring wheat, Fortuna is resistant to the wheat stem sawfly and is resistant to leaf and stem rust. Fortuna has superior milling qualities and acceptable baking qualities.

The top four varieties accounted for 53 percent of the spring wheat acreage seeded in 1996 compared with 56 percent for the same varieties in 1995.

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

Peggy Stringer  
State Statistician

Bill Meyer  
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Agricultural Statisticians

## DURUM WHEAT

**Kyle** maintained its position as the top durum variety for the third year. It accounts for over one fifth of the durum acreage. Developed in Canada and released in 1984, it is resistant to prevalent races of leaf and stem rust. It has an overall quality rating of good.

**Monroe** moved up one place into second position this year, accounting for almost 20 percent of the durum acreage. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. It also has high yields and matures early which makes it a well-suited wheat variety for growing in durum areas.

**Vic** dropped one place into third position this year. It accounts for about 13 percent of the durum acreage. It is a standard height, day length sensitive spring durum and in addition has strong straw. Vic is resistant to stem rust and moderately resistant to leaf rust. The milling, processing and cooking properties of Vic are satisfactory.

**Renville** retained its fourth place finish from a year ago accounting for about 9 percent of the durum acreage. It has shown good resistance to stem and leaf rust and in trials has high test weights with yields much more than Vic. Renville has good milling characteristics and the spaghetti color and cooking characteristics are acceptable.

The top four varieties accounted for 62 percent of the durum wheat acreage seeded in 1996 compared with 62 percent for the same varieties in 1995.

**Durum Wheat**  
*1996 Seeded Acreage and Percent of Total by Districts*

Variety	Northeast		Other Districts		State	
	(000)	%	(000)	%	(000)	%
Kyle	39.3	20.9	7.4	17.6	46.7	20.3
Monroe	43.6	23.2	2.1	5.0	45.7	19.9
Vic	30.6	16.3	--	--	30.6	13.3
Renville	18.4	9.8	1.8	4.3	20.2	8.8
Crosby	17.3	9.2	--	--	17.3	7.5
Plenty	14.5	7.7	1.5	3.6	16.0	7.0
Ward	9.6	5.1	3.0	7.1	12.6	5.5
Sceptre	2.3	1.2	5.9	14.0	8.2	3.6
Westbred Laker	1.9	1.0	6.2	14.8	8.1	3.5
Medora	4.9	2.6	0.5	1.2	5.4	2.3
Durex	--	--	2.1	5.0	2.1	0.9
Kemut	1.1	0.6	--	--	1.1	0.5
Westbred 881	--	--	0.5	1.2	0.5	0.2
Other & Unknown	4.5	2.4	11.0	26.2	15.5	6.7
<b>State Total</b>	<b>188.0</b>	<b>100.0</b>	<b>42.0</b>	<b>100.0</b>	<b>230.0</b>	<b>100.0</b>

**Durum Wheat**  
*Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96*

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1990	1991	1992	1993	1994	1995 <sup>1</sup>	1996	1995 <sup>1</sup>	1996
Kyle	--	--	2.4	7.0	23.6	23.4	20.3	63.1	46.7
Monroe	14.3	14.2	10.3	24.2	22.5	11.1	19.9	30.0	45.7
Vic	24.0	15.5	26.6	7.7	9.3	17.7	13.3	47.9	30.6
Renville	0.6	6.0	5.9	2.8	7.4	10.0	8.8	26.9	20.2
Crosby	4.3	4.3	4.8	2.8	6.4	3.5	7.5	9.4	17.3
Plenty	--	--	--	--	1.7	3.7	7.0	10.1	16.0
Ward	10.2	14.1	5.8	1.3	4.6	4.7	5.5	12.7	12.6
Sceptre	--	0.1	--	--	--	3.8	3.6	10.2	8.2
Westbred Laker	12.7	12.6	8.9	23.5	14.5	3.8	3.5	10.2	8.1
Medora	19.0	14.0	20.8	18.0	3.4	6.0	2.3	16.3	5.4
Durex	--	--	--	--	--	--	0.9	--	2.1
Kemut	--	--	--	--	1.1	0.3	0.5	0.7	1.1
Westbred 881	--	--	--	--	--	--	0.2	--	0.5
Other & Unknown	14.9	19.2	14.5	12.7	5.5	12.0	6.7	32.5	15.5
<b>State Total</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>270.0</b>	<b>230.0</b>

<sup>1</sup> Revised

Winter Wheat: Seeded Acreage and Percent of Total by Districts - 1996

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	2.0	7.9	210.9	19.0	8.7	5.1	275.0	61.1	24.4	60.9	21.7	8.5	15.9	10.6	558.6	25.4
Tiber	-	-	199.8	18.0	34.0	20.0	27.0	6.0	1.5	3.8	58.9	23.1	35.6	23.7	356.8	16.2
Rocky	-	-	267.5	24.1	1.2	0.7	20.3	4.5	-	-	16.1	6.3	-	-	305.1	13.9
Redwin	-	-	85.5	7.7	18.7	11.0	10.4	2.3	-	-	86.2	33.8	55.7	37.1	256.5	11.7
Big Horn	-	-	33.3	3.0	1.7	1.0	55.8	12.4	-	-	-	-	-	-	90.8	4.1
Winalta	-	-	20.0	1.8	36.6	21.5	0.5	0.1	-	-	-	-	-	-	76.8	3.5
Judith	0.1	0.4	65.5	5.9	0.5	0.3	9.0	2.0	1.0	2.4	0.5	0.2	19.7	13.1	76.6	3.5
Centurk	-	-	58.8	5.3	-	-	3.2	0.7	-	-	0.8	0.3	0.5	0.3	63.3	2.9
Roughrider	2.4	9.6	25.5	2.3	14.3	8.4	-	-	-	-	-	-	1.8	1.2	44.0	2.0
Norstar	-	-	28.9	2.6	7.5	4.4	-	-	-	-	-	-	-	-	36.4	1.7
Kestrel	-	-	16.7	1.5	13.6	8.0	-	-	-	-	-	-	-	-	30.3	1.4
Hill 81 <sup>1</sup>	-	-	-	-	-	-	19.4	4.3	-	-	-	-	-	-	19.4	0.9
Hawk	-	-	10.0	0.9	-	-	-	-	-	-	-	-	-	-	18.7	0.9
Stephens <sup>1</sup>	11.0	44.0	-	-	-	-	-	-	4.1	10.3	8.7	3.4	-	-	15.4	0.7
Weston	-	-	1.1	0.1	-	-	-	-	-	-	13.3	0.1	-	-	14.4	0.7
Sierra	2.9	11.7	1.1	0.1	-	-	-	-	-	-	9.9	5.2	-	-	13.9	0.6
Quantum 542	-	-	4.4	0.4	-	-	2.3	0.5	-	-	6.1	2.4	-	-	12.8	0.6
Cimmaron	-	-	11.1	1.0	-	-	0.9	0.2	-	-	-	-	-	-	11.1	0.5
Cree	-	-	10.0	0.9	-	-	-	-	-	-	-	-	-	-	10.9	0.5
Warrior	-	-	1.1	0.1	-	-	-	-	-	-	7.1	2.8	9.0	6.0	10.1	0.5
Manning <sup>1</sup>	-	-	-	-	-	-	-	-	4.4	11.0	-	-	-	-	7.1	0.3
Lewjain <sup>1</sup>	2.2	8.9	-	-	-	-	-	-	-	-	-	-	-	-	6.6	0.3
Sage	-	-	-	-	6.6	3.9	-	-	-	-	-	-	-	-	6.6	0.3
Rose	-	-	-	-	26.6	15.7	26.2	5.9	4.6	11.6	25.4	10.0	6.5	4.3	6.5	0.3
Other & Unknown	4.4	17.5	58.8	5.3	-	-	-	-	4.6	11.6	25.4	10.0	6.5	4.3	151.3	6.6
State Total	25.0	100.0	1,110.0	100.0	170.0	100.0	450.0	100.0	40.0	100.0	255.0	100.0	150.0	100.0	2,200.0	100.0

<sup>1</sup> Soft White Wheat

Winter Wheat: Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96

Variety	Percent of Total Seeded Acreage										Seeded Acres (000)	
	1990	1991	1992	1993	1994	1995	1996	1995	1996	1995	1996	
Neeley	25.7	24.7	25.0	18.4	23.3	23.6	25.4	25.4	23.7	353.7	558.6	
Tiber	9.5	11.7	13.5	10.7	16.2	12.4	16.2	16.2	186.3	186.3	356.8	
Rocky	9.9	14.0	12.5	14.8	13.3	16.5	13.9	13.9	247.7	247.7	305.1	
Redwin	14.5	13.0	9.9	10.8	10.0	8.9	11.7	11.7	133.4	133.4	256.5	
Big Horn	0.6	0.8	0.3	1.0	1.3	0.7	4.1	4.1	11.0	11.0	90.8	
Winalta	8.0	5.8	6.1	5.8	4.4	2.8	3.5	3.5	42.2	42.2	76.8	
Judith	0.1	0.8	7.0	9.8	10.2	8.2	3.5	3.5	123.7	123.7	76.6	
Centurk	2.7	2.4	3.3	2.4	2.6	3.1	2.9	2.9	46.7	46.7	63.3	
Roughrider	1.9	3.6	2.8	2.0	1.8	1.0	2.0	2.0	15.4	15.4	44.0	
Norstar	6.9	6.6	7.6	6.4	2.0	4.0	1.7	1.7	60.5	60.5	36.4	
Kestrel	-	-	-	-	0.1	0.4	1.4	1.4	6.7	6.7	30.3	
Hill 81 <sup>2</sup>	0.7	0.9	1.0	1.0	0.5	0.2	0.9	0.9	3.2	3.2	18.7	
Hawk	0.3	0.2	0.2	0.6	0.2	0.4	0.7	0.7	36.5	36.5	15.4	
Stephens <sup>2</sup>	1.6	1.8	0.6	0.2	1.1	0.6	0.7	0.7	13.5	13.5	14.4	
Weston	-	-	0.6	0.2	1.1	0.6	0.7	0.7	9.7	9.7	14.4	
Sierra	-	-	-	0.1	0.2	0.1	0.6	0.6	1.8	1.8	13.9	
Quantum 542	0.1	0.6	1.0	0.3	0.6	1.8	0.6	0.6	26.3	26.3	12.8	
Cimmaron	3.9	2.0	0.8	0.6	0.6	1.2	0.5	0.5	17.6	17.6	11.1	
Cree	1.1	0.4	0.7	0.5	0.3	0.5	0.5	0.5	7.2	7.2	10.9	
Warrior	-	-	0.4	1.1	1.7	0.7	0.5	0.5	9.8	9.8	10.1	
Manning <sup>2</sup>	0.2	0.1	0.1	0.1	0.1	-	0.3	0.3	-	-	7.1	
Lewjain <sup>2</sup>	1.5	0.3	0.4	0.1	0.1	0.1	0.3	0.3	-	-	6.6	
Sage	-	0.1	0.1	0.1	0.1	0.1	0.3	0.3	1.1	1.1	6.6	
Rose	-	0.1	0.1	0.1	0.1	0.1	0.3	0.3	-	-	6.5	
Other & Unknown	10.8	10.2	7.1	13.0	7.3	9.9	6.6	6.6	146.0	146.0	151.3	
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1500.0	2200.0	

<sup>2</sup> Soft White Wheat

<sup>1</sup> Revised

Spring Wheat: Seeded Acreage and Percent of Total by Districts - 1996

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon			412.3	21.7	608.2	39.3	28.7	8.2			9.6	11.3	77.3	30.9	1,137.1	27.1
Westbred Rambo			374.3	19.7	41.9	2.7	39.2	11.2			0.3	0.3			455.7	10.9
Grandin			89.3	4.7	179.8	11.6	18.5	4.7			2.3	2.7	67.3	26.9	355.2	8.5
Fortuna			245.1	12.9	4.7	0.3	13.3	3.8			11.0	12.9	0.8	0.3	274.9	6.5
Hi-Line		4.1	146.3	7.7	54.3	3.5	35.0	10.0			3.4	4.0	7.0	2.8	247.0	5.9
Sioa			89.3	4.7	153.5	9.9					1.4	1.7	1.0	0.4	245.2	5.8
Newana		4.3	121.6	6.4	24.8	1.6	56.4	16.1			13.4	15.8	6.0	2.4	223.3	5.3
Lew		0.3	148.2	7.8	40.3	2.6	1.8	0.5			4.6	5.4	0.8	0.3	195.8	4.7
Len					122.5	7.9	0.7	0.2					12.3	4.9	135.5	3.2
Westbred 926		4.2	20.9	1.1			55.3	15.8	6.8	16.9	15.6	18.4	5.0	2.0	107.8	2.6
McNeal			26.6	1.4	10.9	0.7	14.7	4.2			3.7	4.4	1.8	0.7	57.7	1.4
Westbred 936			19.0	1.0			3.2	0.9	21.3	53.2	2.5	2.9	1.3	0.5	55.3	1.3
Gus		8.0	3.8	0.2									5.0	2.0	51.0	1.2
Celtic		0.3			41.9	2.7							12.0	4.8	39.9	1.0
Border			39.9	2.1	27.9	1.8									39.9	1.0
Pondera			11.4	0.6			17.9	5.1							29.3	0.7
Butte 86							2.5	0.7					4.0	1.6	28.2	0.7
Fergus			3.8	0.2	21.7	1.4	14.7	4.2			5.6	6.6			24.1	0.6
Krona			17.1	0.9											23.3	0.6
Bergen					6.2	0.4									21.7	0.5
Leader			3.8	0.2	21.7	1.4									18.9	0.5
Northrup King 751			13.3	0.7	9.3	0.6					3.3	3.9	5.8	2.3	18.2	0.4
Kulm					17.1	1.1					0.2	0.2	0.8	0.3	18.1	0.4
Olaf			3.8	0.2	10.9	0.7					8.1	9.5	3.3	1.3	18.0	0.4
Other & Unknown		10.3	110.2	5.8	149.8	9.7	50.1	14.4	11.9	29.9	8.1	9.5	38.5	15.6	378.9	8.8
State Total	25.0	100.0	1,900.0	100.0	1,550.0	100.0	350.0	100.0	40.0	100.0	85.0	100.0	250.0	100.0	4,200.0	100.0


Spring Wheat: Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)						
	1990	1991	1992	1993	1994	1995	1996	1995	1996	1995	1996	1995	1996	
Amidon	4.7	11.7	19.6	29.0	27.9	29.9	27.1	1,181.8	1,137.1	1,181.8	1,137.1	1,181.8	1,137.1	
Westbred Rambo	15.5	13.5	16.7	15.5	11.9	10.5	10.9	414.5	455.7	414.5	455.7	414.5	455.7	
Grandin		0.2	0.7	3.4	8.5	7.3	8.5	289.7	355.2	289.7	355.2	289.7	355.2	
Fortuna	9	8.2	6.6	6.6	8.0	8.3	6.5	326.8	274.9	326.8	274.9	326.8	274.9	
Hi-Line				0.4	2.4	4.3	5.9	170.0	247.0	170.0	247.0	170.0	247.0	
Sioa	10	8.1	6.7	5.9	5.7	3.6	5.8	141.5	245.2	141.5	245.2	141.5	245.2	
Newana	16.6	13.3	12.9	8.2	6.9	5.8	5.3	223.3	195.8	223.3	195.8	223.3	195.8	
Lew	10.7	14.1	8.7	7.2	5.0	4.9	4.7	193.1	185.8	193.1	185.8	193.1	185.8	
Len	12.7	11.9	8.1	6.6	6.3	6.3	3.2	250.7	135.5	250.7	135.5	250.7	135.5	
Westbred 926	0.3	0.7	0.9	1.5	2.0	3.0	2.6	117.4	107.8	117.4	107.8	117.4	107.8	
McNeal					0.2	0.3	1.4	57.7	55.3	57.7	55.3	57.7	55.3	
Westbred 936						0.6	1.2	13.3	51.0	13.3	51.0	13.3	51.0	
Gus					1.5	1.2	1.0	49.3	39.9	49.3	39.9	49.3	39.9	
Celtic					0.9	0.9	1.0	6.3	39.9	6.3	39.9	6.3	39.9	
Border					0.5	0.7	0.7	26.5	29.3	26.5	29.3	26.5	29.3	
Pondera	2.2	0.8	1.5	0.5	0.9	0.9	0.7	34.7	28.2	34.7	28.2	34.7	28.2	
Butte 86	0.4	2.0	0.5	0.4	0.1	0.2	0.6	7.8	24.1	7.8	24.1	7.8	24.1	
Fergus						0.2	0.5	8.5	23.3	0.2	8.5	0.2	23.3	
Krona						0.2	0.5	21.7	21.7	0.2	21.7	0.2	21.7	
Bergen						0.1	0.5	3.1	18.9	0.1	3.1	0.1	18.9	
Leader	0.7	0.4	1.1	0.4	0.7	0.1	0.5	16.5	18.2	0.7	16.5	0.5	18.2	
Northrup King 751	1.3	0.8	1.1	1.1	0.6	0.4	0.4	45.1	18.1	1.3	45.1	0.8	18.1	
Kulm						2.7	2.8	18.0	18.0		18.0		18.0	
Olaf	4.5	3.6	2.7	2.8	2.2	1.1	0.4	399.5	378.9	4.5	399.5	3.6	378.9	
Other & Unknown	11.4	10.2	11.5	11.8	7.0	10.2	8.8	399.5	378.9	11.4	399.5	10.2	378.9	
State Total	100	100.0	100.0	100.0	100.0	100.0	100.0	3,950.0	4,200.0	100	4,200.0	100.0	4,200.0	

Revised



# WHEAT VARIETIES 1995

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**Released: July 14, 1995**

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## WINTER WHEAT

**Neeley** retained its standing as the leading variety of winter wheat planted in Montana for the eighth consecutive year despite decreasing in acreage by approximately 18 percent from last year. It accounts for nearly 23 percent of the total winter wheat acreage. Neeley generally has a 1 to 3 percent lower protein level than most recommended hard red winter wheat varieties. It is a semi-dwarf variety, with intermediate maturity. Neeley has satisfactory milling and baking qualities.

**Rocky** moved up one position to second place this year accounting for 17 percent of the winter wheat acreage. This is almost a 10 percent increase over last year. It has resistance to stem rust. Rocky has average milling and baking qualities.

**Tiber** dropped one position to third place this year. It has a high yield potential, good shatter resistance and good winter hardiness. It accounts for approximately 12 percent of winter wheat acreage. Tiber has average milling and baking qualities.

**Redwin** maintained its fourth place position from last year. It has good yield potential and winter hardiness. It is very resistant to shattering. It accounts for nearly 9 percent of the total winter wheat acreage planted this year. It has very good milling and baking qualities and excellent protein levels.

## SPRING WHEAT

**Amidon** continued in the top position for the fourth consecutive year accounting for nearly 30 percent of the spring wheat planted in Montana. It has exhibited an intermediate level of stem solidness and has a satisfactory rating for shattering resistance. Its baking quality is superior and has a satisfactory milling quality.

**Westbred Rambo** retained its second place position accounting for over 10 percent of the spring wheat acreage planted. The North Central district continued to be the largest producer of Westbred Rambo, which planted over 82 percent of the variety in the state. It is resistant to stem rust and very resistant to sawfly. Westbred Rambo has excellent yield potential.

**Fortuna** moved up one position from last year by increasing in acreage by nearly 10 percent. It accounts for over 8 percent of the spring wheat acreage. It is a relatively high yielding variety with superior milling properties and has acceptable baking properties.

**Grandin** dropped one position to fourth. It accounts for approximately 7 percent of the spring wheat seeded. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein.

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

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Agricultural Statisticians

## DURUM WHEAT

**Kyle** remains the top variety of durum wheat planted in Montana for the second year. It accounts for 23 percent of the durum acreage. Kyle is a tall medium maturity durum that is resistant to stem rust and moderately resistant to leaf rust with average test weights.

**Vic** took second place this year moving up two positions. It accounts for over 17 percent of the seeded durum acreage. Vic is a strong straw variety that is resistant to stem rust and moderately resistant to leaf rust. The milling, processing and cooking properties of this variety are satisfactory.

**Monroe** slipped one position and ended up in third place this year. It makes up nearly 11 percent of the seeded acreage. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. The combination of earliness and high yield makes Monroe well suited for growing in all durum areas of the state. It has favorable milling qualities and spaghetti coloring.

**Renville** moved from fifth place to fourth place this year. It accounts for nearly 10 percent of the total durum wheat acreage planted. It has shown good resistance to stem and leaf rust. Renville has displayed good milling characteristics, spaghetti color and cooking characteristics are acceptable.

**Durum Wheat**  
*1995 Seeded Acreage and Percent of Total by Districts*

Variety	Northeast		Other Districts		State	
	(000)	%	(000)	%	(000)	%
Kyle	65.2	26.5	3.9	7.2	69.1	23.0
Vic	52.1	21.2	--	--	52.1	17.4
Monroe	32.2	13.1	0.5	0.9	32.7	10.9
Renville	28.5	11.6	0.9	1.7	29.4	9.8
Medora	17.0	6.9	0.8	1.5	17.8	5.9
Ward	13.8	5.6	0.0	0.0	13.8	4.6
Sceptre	2.7	1.1	9.4	17.5	12.1	4.0
Westbred Laker	6.0	2.4	5.7	10.6	11.7	3.9
Plenty	8.0	3.2	3.5	6.5	11.5	3.8
Stockholm	--	--	11.5	21.4	11.5	3.8
Crosby	11.0	4.5	--	--	11.0	3.7
Lloyd	--	--	6.9	12.8	6.9	2.3
Kemut	--	--	0.8	1.5	0.8	0.3
Rugby	0.7	0.3	--	--	0.7	0.2
Unknown	8.8	3.6	10.1	18.4	18.9	6.4
<b>State Total</b>	<b>246.0</b>	<b>100.0</b>	<b>54.0</b>	<b>100.0</b>	<b>300.0</b>	<b>100.0</b>

**Durum Wheat**  
*Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95*

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 <sup>1</sup>	1995	1994 <sup>1</sup>	1995
Kyle	0.3	--	--	2.4	7.0	23.6	23.0	42.5	69.1
Vic	27.4	24.0	15.5	26.6	7.7	9.3	17.4	16.7	52.1
Monroe	8.3	14.3	14.2	10.3	24.2	22.5	10.9	40.5	32.7
Renville	--	0.6	6.0	5.9	2.8	7.4	9.8	13.4	29.4
Medora	7.8	19.0	14.0	20.8	18.0	3.4	5.9	6.2	17.8
Ward	18.5	10.2	14.1	5.8	1.3	4.6	4.6	8.3	13.8
Sceptre	--	--	0.1	--	--	--	4.0	--	12.1
Westbred Laker	15.2	12.7	12.6	8.9	23.5	14.5	3.9	26.1	11.7
Plenty	--	--	--	--	--	1.7	3.8	3.1	11.5
Stockholm	--	--	--	--	--	--	3.8	--	11.5
Crosby	6.3	4.3	4.3	4.8	2.8	6.4	3.7	11.5	11.0
Lloyd	4.6	1.4	5.4	0.4	--	3.9	2.3	7.0	6.9
Kemut	--	--	--	--	--	1.1	0.3	2.0	0.8
Rugby	--	--	2.5	--	3.1	0.3	0.2	0.5	0.7
Unknown	11.6	13.5	11.3	14.1	9.6	1.3	6.4	2.2	18.9
<b>State Total</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>180.0</b>	<b>300.0</b>

<sup>1</sup> Revised

Winter Wheat: Seeded Acreage and Percent of Total by Districts - 1995

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	—	—	130.7	17.2	9.6	7.4	184.3	52.7	9.0	36.1	34.8	12.9	5.9	6.1	374.3	22.7
Rocky	—	—	215.8	28.4	13.5	10.4	31.9	9.1	—	22.7	8.4	8.4	—	—	283.9	17.2
Tiber	2.4	13.6	75.2	9.9	4.4	3.4	38.2	10.9	—	44.3	16.4	34.7	—	—	199.2	12.1
Redwin	—	—	35.0	4.6	14.2	10.9	6.3	1.8	—	65.3	24.2	24.3	—	—	145.1	8.8
Judith	—	—	90.4	11.9	—	—	16.8	4.8	0.4	31.6	11.7	—	—	—	139.2	8.4
Norstar	—	—	28.9	3.8	12.9	9.9	25.9	7.4	—	—	—	—	—	—	67.7	4.1
Centurk	—	—	47.9	6.3	—	—	4.9	1.4	—	—	—	—	—	—	53.6	3.2
Winnalra	—	—	19.0	2.5	19.8	15.2	1.4	0.4	—	—	—	—	—	—	18.5	1.1
Hawk	—	—	16.0	2.1	—	—	—	—	—	—	—	—	—	—	40.8	2.5
Quantum S42	—	—	23.6	3.1	—	—	—	—	—	—	—	—	—	—	21.8	1.3
Cimmaron	—	—	20.5	2.7	—	—	—	—	—	—	—	—	—	—	29.7	1.8
Roughrider	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	0.7
Cheyenne	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20.5	1.3
Big Horn	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.5	1.2
Stephens <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.4	0.8
Weston	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	0.7
Warrior	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.9	0.6
Cree	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.3	0.6
Kestrel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.7	0.6
Hill 81 <sup>1</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.0	0.4
Thunderbird	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.0	0.5
Agassiz	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.5	0.1
Arapahoe	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.9	0.6
Daws <sup>2</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7.4	0.5
Other & Unknown	2.4	13.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
State Total	18.0	100.0	760.0	100.0	34.8	26.8	350.0	19.8	25.0	93.0	25.9	9.6	11.1	11.4	141.4	18.5

<sup>1</sup> Soft White Wheat

Winter Wheat: Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage										Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994	1995	1994	1995			
Neeley	22.8	25.7	24.7	25.0	18.4	23.3	22.7	454.7	374.3			
Rocky	12.0	9.9	14.0	12.5	14.8	13.3	17.2	258.7	283.9			
Tiber	1.9	9.5	11.7	13.5	10.7	16.2	12.1	315.7	199.2			
Redwin	19.8	14.5	13.0	9.9	10.8	10.0	8.8	194.3	145.1			
Judith	—	0.1	0.8	7.0	9.8	10.2	8.4	198.4	139.2			
Norstar	7.6	6.9	6.6	7.6	6.4	2.0	4.1	38.2	67.7			
Centurk	3.0	2.7	2.4	3.3	2.4	2.6	3.2	50.9	53.6			
Winnalra	9.7	8.0	5.8	6.1	5.8	4.4	3.0	85.0	48.8			
Hawk	1.2	0.7	0.9	1.0	1.0	0.9	2.5	18.5	40.8			
Quantum S42	—	—	—	—	—	—	—	21.8	29.7			
Cimmaron	0.5	0.1	0.6	0.3	0.6	1.1	1.8	11.0	20.5			
Roughrider	2.0	1.9	3.6	2.8	2.0	0.6	1.2	35.2	19.5			
Cheyenne	1.4	1.8	1.2	0.8	1.0	0.6	0.8	11.3	13.4			
Big Horn	0.3	0.6	0.8	0.3	1.0	1.3	0.7	25.2	11.5			
Stephens <sup>2</sup>	0.5	0.3	0.2	0.2	0.6	0.2	0.7	3.6	3.6			
Weston	1.6	1.6	1.8	0.6	0.2	1.1	0.6	21.5	10.9			
Warrior	1.0	1.1	0.4	0.7	1.1	1.7	0.6	32.9	10.3			
Cree	3.1	3.9	2.0	0.8	0.6	0.3	0.6	9.7	9.7			
Kestrel	—	—	—	—	—	—	—	6.0	8.4			
Hill 81 <sup>2</sup>	—	—	—	—	—	—	—	1.5	8.0			
Thunderbird	0.5	—	1.8	0.4	0.2	0.4	0.2	9.9	3.2			
Agassiz	1.0	0.8	0.7	0.1	0.8	0.4	0.2	7.4	3.1			
Arapahoe	—	—	—	—	—	—	—	—	2.8			
Daws <sup>2</sup>	—	0.1	—	—	0.1	—	—	—	2.6			
Other &	10.1	8.7	7.0	6.4	11.4	7.3	8.5	12.2	2.4			
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	147.1	141.4			

<sup>1</sup> Revised

<sup>2</sup> Soft White Wheat

Spring Wheat: Seeded Acreage and Percent of Total by Districts - 1995

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon	1.9	7.4	29.9	475.4	34.2	32.6	12.8	0.2	8.9	9.9	80.4	37.4	1104.5	29.8		
Westbred Rambo	0.5	2.0	18.6	51.4	3.7	13.5	5.3	0.6	0.6	0.6	0.6	0.6	379.9	10.3		
Fortuna	1.6	6.4	13.3	33.4	2.4	28.6	11.2	4.1	13.0	14.4	8.8	4.1	302.8	8.2		
Grandin	—	—	4.0	187.7	13.5	7.1	2.8	—	—	—	35.0	16.3	271.2	7.3		
Len	—	—	0.3	198.8	14.3	39.3	—	—	—	—	8.9	—	238.9	6.5		
Newana	2.6	10.4	15.3	145.3	1.1	9.9	15.4	—	8.0	8.9	11.2	5.2	210.5	5.7		
Lew	—	—	7.9	19.5	1.4	7.7	3.9	—	5.2	5.8	2.9	179.3	4.8			
Hi-Line	3.8	15.3	5.3	45.9	3.3	7.7	3.0	10.3	1.4	1.6	6.2	2.9	158.2	4.3		
Stoa	—	—	1.8	91.7	6.6	1.0	0.4	—	—	—	9.9	4.6	133.0	3.6		
Westbred 926	12.4	49.4	1.3	7.0	0.5	32.1	12.6	10.4	19.1	21.2	12.5	5.8	115.5	3.1		
Celtic	—	—	—	44.5	3.2	—	—	—	—	—	2.2	1.0	46.7	1.3		
Olaf	—	—	—	41.7	3.0	—	—	—	—	—	0.9	0.4	42.6	1.2		
Butte 86	—	—	—	15.3	1.1	—	—	—	—	—	18.9	8.8	34.2	0.9		
Gus	—	—	—	18.1	1.3	—	—	—	—	—	6.5	3.0	24.6	0.7		
Pondera	—	—	—	—	—	14.0	5.5	1.0	0.7	0.8	7.3	3.4	24.2	0.7		
Glenman	—	—	—	—	—	1.5	0.6	—	—	—	—	—	24.0	0.6		
Bounty 309	—	—	—	19.5	—	0.8	0.3	—	—	—	5.6	2.6	19.5	0.5		
Northrup King 751	—	—	—	1.4	0.1	0.8	0.3	—	—	—	—	—	16.1	0.4		
Westbred Express	—	—	—	6.8	—	4.3	1.7	1.2	1.1	1.2	—	—	13.4	0.4		
Westbred 936	—	—	—	—	—	6.4	2.5	6.5	8.0	8.9	—	—	13.1	0.4		
Success	0.1	0.5	0.3	—	—	—	—	—	—	—	0.6	0.3	11.7	0.3		
ND 2375	—	—	—	11.1	0.8	0.8	0.3	—	—	—	—	—	8.5	0.2		
Penawawa <sup>1</sup>	0.4	1.4	—	8.3	0.6	—	—	7.3	20.9	—	—	—	8.3	0.2		
Pasqua	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Other & Unknown	1.7	7.2	6.5	104.0	7.5	55.4	21.7	3.4	9.8	22.7	9.0	4.2	305.9	8.2		
<b>State Total</b>	<b>25.0</b>	<b>100.0</b>	<b>1890.0</b>	<b>1390.0</b>	<b>100.0</b>	<b>255.0</b>	<b>100.0</b>	<b>35.0</b>	<b>100.0</b>	<b>90.0</b>	<b>215.0</b>	<b>100.0</b>	<b>3700.0</b>	<b>100.0</b>		

<sup>1</sup>Soft White Wheat

Spring Wheat: Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage										Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 <sup>1</sup>	1995	1994 <sup>1</sup>	1995			
Amidon	0.6	4.7	11.7	19.6	29.0	27.9	29.8	964.8	1104.5			
Westbred Rambo	9.0	15.5	13.5	16.7	15.5	11.9	10.3	411.3	379.9			
Fortuna	14.6	9.0	8.2	6.6	6.6	8.0	8.2	275.3	302.8			
Grandin	—	—	0.2	0.7	3.4	8.5	7.3	292.3	271.2			
Len	15.2	12.7	11.9	8.1	6.6	6.3	6.5	216.8	238.9			
Newana	19.7	16.6	13.3	12.9	8.2	6.9	5.7	239.2	210.5			
Lew	10.2	10.7	14.1	8.7	5.0	7.2	4.8	247.2	179.3			
Hi-Line	—	—	—	—	0.4	2.4	4.3	83.9	158.2			
Stoa	7.9	10.0	8.1	6.7	5.9	5.7	3.6	198.0	133.0			
Westbred 926	0.1	0.3	0.7	0.9	1.5	2.0	3.1	69.2	115.5			
Celtic	—	—	0.4	0.6	0.9	1.5	1.3	50.5	46.7			
Olaf	5.8	4.5	3.6	2.7	2.8	2.2	1.2	77.3	42.6			
Butte 86	0.4	0.4	2.0	0.5	0.4	0.1	0.9	4.4	34.2			
Gus	—	—	0.1	0.1	0.1	—	0.7	—	24.6			
Pondera	2.4	2.2	0.8	1.5	0.5	0.9	0.7	32.7	24.2			
Glenman	2.4	1.4	1.5	0.7	1.4	1.0	0.6	32.8	24.0			
Bounty 309	0.2	0.2	0.3	0.6	—	0.3	0.5	8.9	19.5			
Northrup King 751	0.5	1.3	0.8	1.1	1.1	0.6	0.4	19.0	16.1			
Westbred Express	—	—	—	—	—	0.3	0.4	11.8	13.4			
Westbred 936	—	—	—	—	—	0.2	0.4	5.9	13.4			
Success	1.0	0.5	0.1	0.2	0.1	0.5	0.3	15.7	13.1			
ND 2375	—	—	—	—	—	—	0.2	—	11.7			
Penawawa <sup>2</sup>	—	—	—	—	—	0.2	0.2	7.4	8.5			
Pasqua	—	—	—	—	—	—	—	—	8.3			
Other & Unknown	10.0	10.0	8.7	11.0	10.2	5.4	8.2	185.6	305.9			
<b>State Total</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>3450.0</b>	<b>3700.0</b>			

<sup>1</sup>Revised

<sup>2</sup>Soft White Wheat