

2016 Wheat Varieties Grown in Montana



United States Department of Agriculture
NATIONAL AGRICULTURAL STATISTICS SERVICE
MONTANA FIELD OFFICE

10 West 15th Street, Suite 3100, Helena, MT 59626
 Cooperating with the Montana Department of Agriculture

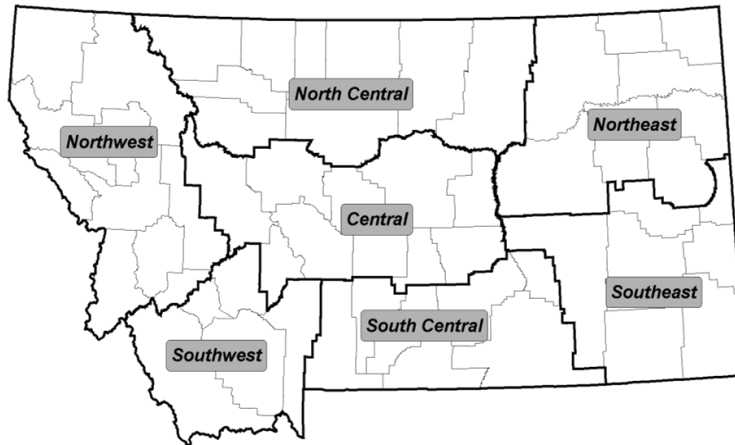


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 July 19, 2016

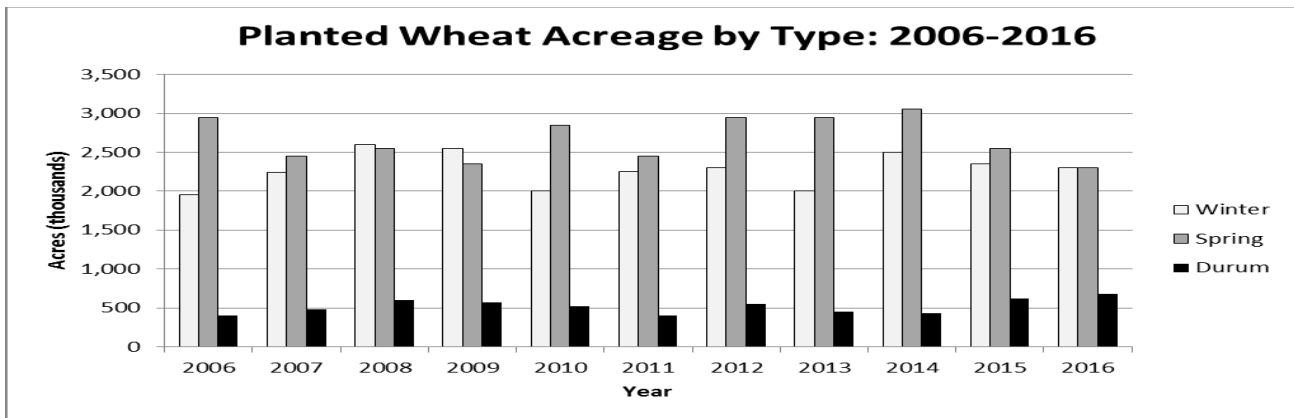
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The USDA National Agricultural Statistics Service Montana Field Office, in coordination with the Montana Wheat and Barley Committee, is pleased to release the most commonly planted winter, spring and durum wheat varieties in the state for the 2016 crop year. While a sufficient number of responses were tabulated to identify the major varieties of winter wheat for the state, the varietal percentages at the district may not be adequately represented.

Montana's Agricultural Districts



Montana planted a total of 5.28 million acres of all wheat for 2016, making it the third highest state for planted wheat acres in the country. A historic table for the types of wheat planted is given below and the breakdowns by type and variety are given in this release.



Data compiled and summarized by the Mountain Region Office of the National Agricultural Statistics Service, an agency of USDA, as a service provided for the Montana Wheat and Barley Committee

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WINTER WHEAT

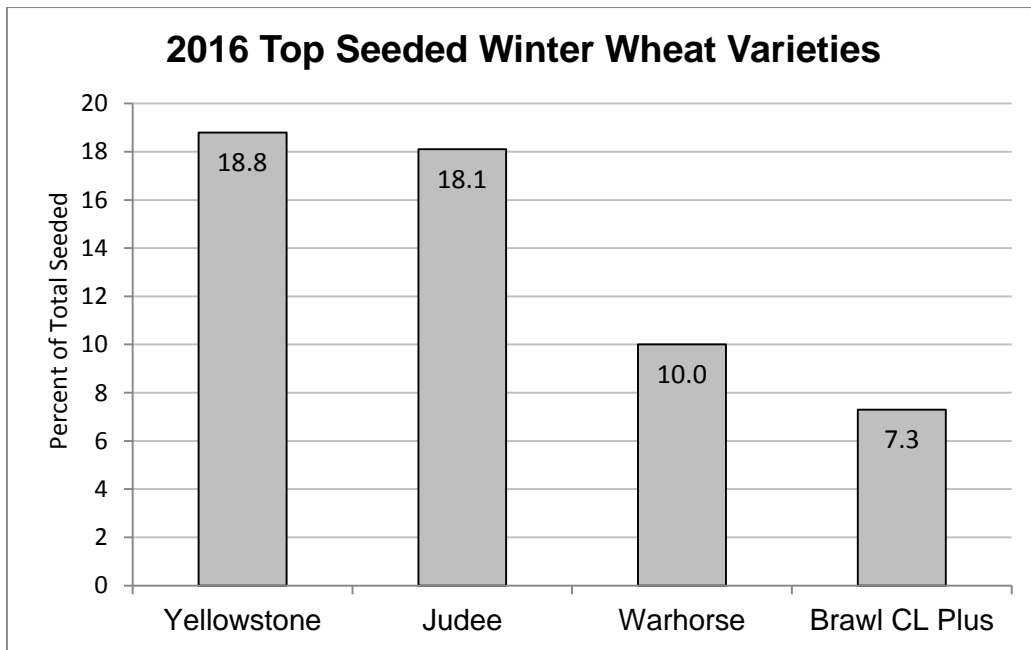
Montana planted 2.30 million acres of winter wheat for harvest in 2016, down from 2.35 million acres planted for 2015. Montana is ranked fourth for winter wheat planted acres in the United States, according to the USDA National Agricultural Statistics Service, Montana Field Office. The top four varieties listed below account for over half of the total winter wheat planted in Montana for 2016.

Yellowstone is the most common winter wheat variety for 2016. It accounts for 18.8 percent of the state's planted acreage. Yellowstone is a hard red winter wheat developed by the Montana Agricultural Experiment Station and became available in 2005. The variety is high yielding with medium test weight, maturity, height, and protein. It has excellent baking and good noodle qualities. Yellowstone is moderately resistant to dwarf smut and stripe rust but is susceptible to stem rust.

Judee is the second most common winter wheat variety planted in Montana. It accounts for 18.1 percent of the total winter wheat acreage in 2016. Judee is a white-glumed, semi-dwarf wheat that performs well in locations where sawfly cutting has occurred. Judee was developed by the Montana Agricultural Extension Station and released to growers in 2011. Judee is susceptible to prevalent races of leaf rust and stem rust, but resistant to stripe rust.

Warhorse is ranked as the third most common winter wheat variety planted on 10.0 percent of Montana's total acres. Warhorse is a solid-stemmed hard red winter wheat released in 2013 by the Montana Agricultural Experiment Station. Warhorse has medium maturity and has medium short, semi-dwarf height. Warhorse yield is similar to Judee, while test weight and protein are above average. Warhorse is resistant to both stem and stripe rust. Warhorse has acceptable mill and bake qualities.

Brawl CL Plus is the fourth most common winter wheat variety planted on 7.3 percent of Montana's total acres for 2016. Brawl CL Plus is a hard red winter wheat developed by the Colorado Agricultural Experiment Station released in 2011. It is tolerant of the imazamox herbicide (Beyond), resistant to stripe rust, has high test weight and superior milling and bread baking qualities. It is suited for dryland and irrigated production in the west-central Great Plains.



SPRING WHEAT

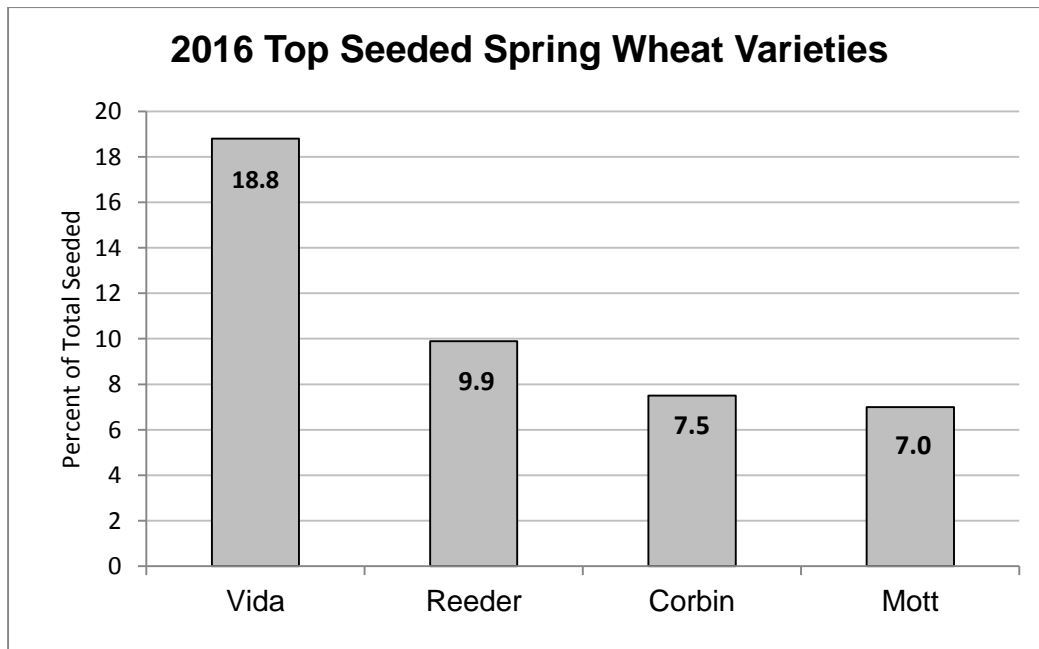
In 2016, Montana producers planted 2.30 million acres of spring wheat, down from 2.55 million acres 2015. The state remains the second largest spring wheat producer in the country, according to the USDA National Agricultural Statistics Service, Montana Field Office. The top four varieties account for just over 43 percent of all Montana's 2016 spring wheat acreage.

Vida remains the leading spring wheat variety planted for the sixth year in a row. Montana producers planted 18.8 percent of the State's acres to Vida this year. Vida was derived from a cross of Scholar and Reeder in 1998 by the Montana Agricultural Experiment Station and released in 2005. It is a high yielding hard red spring with moderate resistance to leaf and stripe rust. Vida is a semi-dwarf with white glumes and awns, kernels are red ovate with rounded cheeks. Good milling and baking characteristics have made Vida a popular variety each year.

Reeder remains the second most common spring wheat variety planted this year with 9.9 percent of the seeded acreage to spring wheat in Montana. Reeder was developed by the North Dakota Agricultural Experiment Station, released in 1999. It is an awned, semi-dwarf, hard red spring wheat. Reeder is resistant to upper Midwest stem and leaf rust. It was developed by crossing a relative of Stoa and germplasm from Brazil. Its stay-green trait allows for a longer head-filling period and in turn higher yield.

Corbin is the third most common spring wheat variety in 2016 accounting for 7.5 percent of Montana's seeded spring wheat. A Hard Red Spring variety with an early maturity, it was developed and released by WestBred, LLC in 2006. The variety provides resistance to stripe rust and has very good Wheat Stem Sawfly tolerance. This variety also has very good yield potential, emergence and protein content. Milling and baking quality is acceptable for the market class being grown in Montana

Mott is the fourth most common Montana spring wheat in 2016 accounting for 7.0 percent of the total spring wheat planted. Mott was developed at North Dakota State University and released in the spring of 2009. Mott is a hard red spring wheat developed primarily for its resistance to the wheat stem sawfly and has demonstrated above average milling and baking characteristics. It is moderately resistant to prevalent races of stem rust.



DURUM WHEAT

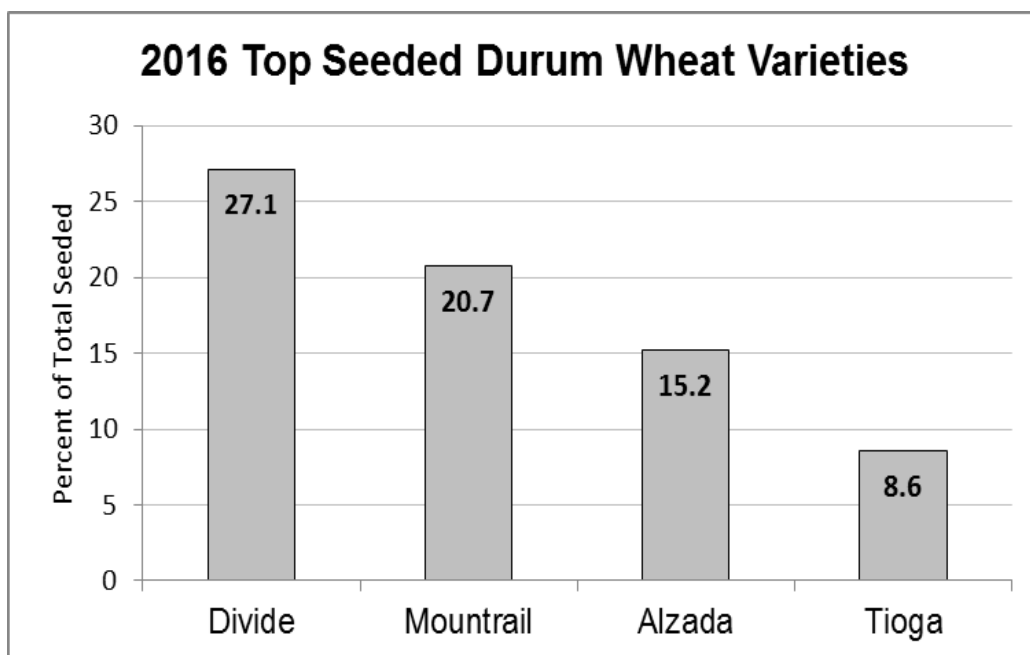
Montana producers planted 680,000 acres of durum wheat in 2016, up from 620,000 acres planted in 2015. Montana ranks second for durum acres planted in the United States, according to the USDA National Agricultural Statistics Service, Montana Field Office. The top four varieties account for nearly 72 percent of the total durum wheat planted in Montana in 2016.

Divide is the top durum variety planted in 2016. This year it was seeded on 27.1 percent of Montana's total planted durum acreage. Divide was developed by the North Dakota Agricultural Experiment Station in cooperation with USDA-ARS and released on June 1, 2005. It has high grain yield potential, medium height, strong straw strength, medium maturity and excellent overall quality.

Mountrail is the second most common durum wheat planted in the state this year with 20.7 percent of the acres planted. Released by the North Dakota Agricultural Experiment Station in November 1998. This variety is medium height, late maturing and stiff-strawed. It is resistant to both leaf and stem rusts. Mountrail has an above average yield, an average test weight, medium to large kernels, and average protein. It is also known for having a high semolina extract with strong gluten.

Alzada is ranked as the third most common durum variety with 15.2 percent of Montana's total acres. Alzada was developed by WestBred, LLC in Bozeman, Montana and first released for commercial planting in 2004. The variety has competitive yields along with excellent straw strength and good sawfly tolerance. Alzada has a high test weight, protein content, and demonstrates good scores for semolina color and gluten strength.

Tioga is the fourth most common durum wheat planted in the state this year accounting for 8.6 percent of the state's total acres. A 2010 North Dakota Agricultural Experiment Station release, Tioga is characterized by above average height, strong straw strength, medium maturity, and good overall quality.



Winter Wheat: 2016 Percent of Total Seeded Acreage by Districts								
Variety	Northwest	North Central	Northeast	Central	Southwest	South Central	Southeast	State
	%	%	%	%	%	%	%	%
Yellowstone	--	17.9	23.3	19.7	31.4	22.7	14.5	18.8
Judee	--	25.4	--	4.8	--	4.1	--	18.1
Warhorse	--	12.6	--	7.2	7.2	4.3	--	10.0
Brawl CL Plus	--	4.0	14.1	21.0	--	9.2	--	7.3
Decade	--	4.1	10.7	7.2	--	1.6	14.1	5.0
Bearpaw	--	5.1	--	2.6	--	--	--	4.4
CDC Falcon	--	3.8	--	10.7	--	2.7	--	4.4
Keldin	27.5	3.7	--	4.5	--	--	--	3.3
Genou	--	4.0	--	--	--	--	--	2.8
SY Clearstone CL2	--	0.9	18.9	3.5	--	8.3	--	2.8
Rampart	--	3.3	--	--	--	--	--	2.2
Morgan	--	3.0	--	--	--	--	--	2.1
Willow Creek	--	0.8	2.7	2.2	--	7.4	2.9	1.7
Carter	--	2.5	--	--	--	--	--	1.7
Jerry	--	--	17.5	--	--	--	13.5	1.5
WB4614	--	--	--	--	--	--	--	1.5
Jagalene	--	--	--	5.2	--	--	--	1.2
Ledger	--	1.0	--	--	--	--	--	0.7
WB4623CLP	--	--	--	--	--	--	--	0.7
WB-Quake	--	0.9	--	--	--	--	--	0.7
Other/Unknown	72.5	7.0	12.8	11.4	61.4	39.7	55.0	9.1
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.

Winter Wheat: 2015 Percent of Total Seeded Acreage by Districts								
Variety	Northwest	North Central	Northeast	Central	Southwest	South Central	Southeast	State
	%	%	%	%	%	%	%	%
Yellowstone	--	22.0	14.7	23.3	68.4	18.2	14.9	21.0
Judee	--	22.9	--	14.1	--	--	--	16.4
Decade	--	4.9	28.7	2.1	--	3.6	16.4	6.7
CDC Falcon	--	6.4	--	10.4	--	--	--	5.6
Brawl CL Plus	--	2.5	--	13.7	--	7.7	--	4.4
Genou	--	5.3	--	--	--	--	--	4.0
AP503 CL2	--	2.5	--	0.6	--	11.5	--	3.9
Carter	--	5.7	--	--	--	--	--	3.5
Bearpaw	--	5.6	--	--	--	--	--	3.5
Jagalene	--	--	--	11.6	--	7.6	--	2.9
Rampart	--	4.4	--	--	--	--	--	2.7
SY Clearstone CL2	--	1.6	--	3.4	17.0	5.8	--	2.5
Jerry	--	--	18.6	--	--	--	19.4	2.4
WB4059CLP	--	--	--	2.4	--	13.4	--	2.2
WB-Quake	--	3.0	--	--	--	0.7	--	1.9
Ledger	--	1.5	--	2.0	--	--	--	1.2
Warhorse	--	1.5	--	--	--	--	--	1.0
Willow Creek	--	--	--	2.1	--	0.5	1.9	0.7
Morgan	--	0.6	--	--	--	--	--	0.6
Colter	--	0.9	--	--	--	--	--	0.6
WB-Matlock	--	--	2.5	--	--	--	--	0.5
Other/Unknown	100.0	8.7	35.5	14.3	14.6	31.0	47.4	11.8
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.

Spring Wheat: 2016 Percent of Total Seeded Acreage by Districts								
Variety	Northwest	North Central	Northeast	Central	Southwest	South Central	Southeast	State
	%	%	%	%	%	%	%	%
Vida	--	25.9	13.3	18.3	--	32.8	--	18.8
Reeder	--	--	20.2	--	--	--	15.6	9.9
Corbin	--	19.1	--	--	--	--	--	7.5
Mott	--	7.6	8.7	--	--	--	--	7.0
Brennan	--	--	14.2	--	--	--	--	6.7
Duclair	--	12.7	1.5	8.7	--	--	--	6.4
SY Soren	3.6	--	12.1	--	--	--	--	5.7
ONeal	--	6.5	2.0	11.9	--	--	--	4.3
Choteau	--	6.6	1.6	13.7	--	--	--	4.3
WB-Gunnison	--	5.4	--	9.1	--	--	--	3.4
Conan	--	5.3	--	--	--	--	--	2.3
McNeal	--	1.4	1.7	1.7	--	3.2	--	1.6
WB9879CLP	--	1.5	--	4.7	--	--	--	1.3
Elgin	--	--	1.7	--	--	--	--	1.2
Barlow	--	--	1.7	--	--	--	10.3	1.1
Westbred 936	--	--	--	--	--	--	--	0.8
Amidon	--	--	--	--	--	--	--	0.7
Fortuna	--	0.6	--	--	--	14.1	--	0.7
SY Tyra	--	0.6	--	--	--	--	--	0.7
SY Ingmar	--	0.6	0.6	--	--	--	--	0.6
Steele	--	--	--	--	--	--	--	0.5
Breaker	--	--	1.0	--	--	--	--	0.5
Vantage	--	--	1.0	--	--	--	--	0.5
Other/unknown	96.4	6.2	18.7	31.9	100.0	49.9	74.1	13.5
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.

Spring Wheat: 2015 Percent of Total Seeded Acreage by Districts								
Variety	Northwest	North Central	Northeast	Central	Southwest	South Central	Southeast	State
	%	%	%	%	%	%	%	%
Vida	--	23.5	12.1	22.8	--	56.9	--	16.8
Reeder	--	--	27.8	--	--	--	13.5	15.7
SY Soren	--	--	11.1	--	26.9	--	--	6.2
Brennan	--	--	10.9	--	--	--	--	6.1
Mott	--	6.7	6.7	--	--	--	--	5.9
Corbin	--	16.7	--	--	--	--	--	5.8
Choteau	--	9.6	1.8	11.0	--	--	5.3	5.1
Duclair	--	9.5	0.8	--	--	--	--	4.0
McNeal	--	1.6	4.2	4.3	--	--	--	3.0
ONeal	--	4.2	1.6	8.7	--	--	--	2.7
WB-Gunnison	--	6.9	--	1.0	--	--	--	2.5
Barlow	--	--	2.7	--	--	--	--	1.8
Conan	--	3.8	--	--	--	--	--	1.4
WB9879CLP	--	2.2	--	11.6	--	--	--	1.3
Amidon	--	--	2.2	--	--	--	--	1.2
Fortuna	--	1.9	--	4.2	--	7.0	--	1.0
Solano	46.7	--	--	2.4	--	5.1	--	0.8
AP 605 CL	--	--	1.0	--	--	--	--	0.7
Kelby	--	--	1.0	3.0	--	--	--	0.7
WB 9668	--	1.0	--	--	9.5	--	--	0.6
SY Tyra	--	0.6	--	2.2	--	--	--	0.5
Steele	--	--	0.6	--	--	--	--	0.5
Glenn	--	--	1.0	--	--	--	--	0.5
Westbred 936	--	--	--	--	--	--	--	0.5
Elgin	--	--	0.5	--	--	--	--	0.5
Other/unknown	53.3	11.8	14.0	28.8	63.6	31.0	81.2	14.2
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.

Winter Wheat: Percent of Total Seeded Acreage 2009-2016

Percent of Total Seeded Acreage								
Variety	2009	2010	2011	2012	2013	2014	2015	2016
Yellowstone	12.8	18.1	16.9	22.8	23.6	19.8	21.0	18.8
Judee	--	--	--	--	1.5	11.4	16.4	18.1
Warhorse	--	--	--	--	--	--	1.0	10.0
Brawl CL Plus	--	--	--	--	--	3.5	4.4	7.3
Decade	--	--	--	1.8	5.3	10.5	6.7	5.0
Bearpaw	--	--	--	--	--	1.9	3.5	4.4
CDC Falcon	9.0	7.4	8.0	6.8	5.4	4.6	5.6	4.4
Keldin	--	--	--	--	--	--	--	3.3
Genou	24.4	30.2	27.9	18.9	15.0	6.6	4.0	2.8
SY Clearstone CL2	--	--	--	--	--	--	2.5	2.8
Rampart	5.6	7.4	5.4	4.7	4.8	3.4	2.7	2.2
Morgan	4.6	2.5	2.1	1.8	2.3	2.4	0.6	2.1
Willow Creek	0.4	0.7	0.7	0.9	0.8	1.3	0.7	1.7
Carter	0.5	1.2	1.2	1.7	3.6	3.1	3.5	1.7
Jerry	3.6	1.7	3.1	5.9	3.0	3.7	2.4	1.5
WB4614	--	--	--	--	--	--	--	1.5
Jagalene	5.5	5.0	3.0	1.9	2.6	1.6	2.9	1.2
Ledger	6.5	4.2	5.2	4.7	3.8	2.7	1.2	0.7
WB4623CLP	--	--	--	--	--	--	--	0.7
WB-Quake	--	--	--	1.3	2.8	2.3	1.9	0.7
Other/Unknown	27.1	21.6	26.5	26.8	25.5	21.2	19.0	9.1
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.

Spring Wheat: Percent of Total Seeded Acreage 2009-2016

Percent of Total Seeded Acreage								
Variety	2009	2010	2011	2012	2013	2014	2015	2016
Vida	5.0	12.8	22.6	19.6	19.7	20.3	16.8	18.8
Reeder	24.0	16.5	11.4	13.6	14.2	17.0	15.7	9.9
Corbin	4.0	5.6	7.4	7.1	6.5	5.2	5.8	7.5
Mott	--	--	0.6	1.7	3.4	6.0	5.9	7.0
Brennan	--	--	0.6	1.9	3.2	2.7	6.1	6.7
Duclair	--	--	--	--	--	2.4	4.0	6.4
SY Soren	--	--	--	--	2.5	4.1	6.2	5.7
ONeal	1.4	4.2	5.5	6.5	6.1	5.3	2.7	4.3
Choteau	22.7	23.0	18.1	15.6	11.5	7.2	5.1	4.3
WB-Gunnison	--	--	0.7	1.9	2.8	2.1	2.5	3.4
Conan	3.2	2.9	3.0	2.4	1.9	1.5	1.4	2.3
McNeal	10.6	8.4	5.8	5.4	3.8	3.5	3.0	1.6
WB9879CLP	--	--	--	--	--	0.7	1.3	1.3
Elgin	--	--	--	--	--	--	0.5	1.2
Barlow	--	--	--	--	1.2	--	1.8	1.1
Westbred 936	1.3	0.7	0.7	0.8	0.7	--	0.5	0.8
Amidon	1.0	0.5	1.0	0.9	1.5	0.5	1.2	0.7
Fortuna	2.5	3.8	3.3	1.7	1.7	1.3	1.0	0.7
SY Tyra	--	--	--	1.0	1.1	0.9	0.5	0.7
SY Ingmar	--	--	--	--	--	--	--	0.6
Steele	0.5	0.4	0.9	0.7	0.9	0.6	0.5	0.5
Breaker	--	--	--	--	--	--	--	0.5
Vantage	--	--	--	--	--	--	--	0.5
Other & Unknown	23.8	21.2	18.4	19.2	17.3	18.7	17.5	13.5
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.

Durum Wheat: 2016 Percent of Total Seeded by Districts				
Variety	North Central	Northeast	Other Districts	State
	%	%	%	%
Divide	--	35.7	--	27.1
Mountrail	--	27.2	--	20.7
Alzada	60.6	--	2.0	15.2
Tioga	2.2	10.7	--	8.6
Kyle	4.0	6.6	--	5.9
Alkabo	--	5.4	--	4.4
Joppa	2.1	1.8	--	1.8
Strongfield	--	--	--	1.7
Pierce	--	2.0	--	1.5
Grenora	--	--	--	0.9
Carpio	--	--	--	0.5
Other/Unknown	31.1	10.6	98.0	11.7
All Varieties	100.0	100.0	100.0	100.0

--Data not published for given year.

Durum Wheat: 2015 Percent of Total Seeded by Districts				
Variety	North Central	Northeast	Other Districts	State
	%	%	%	%
Mountrail	--	33.7	--	27.0
Divide	--	25.6	--	21.3
Alzada	66.7	--	42.9	14.2
Kyle	--	10.8	--	9.0
Tioga	--	6.3	--	5.5
Strongfield	15.8	1.9	--	4.6
Alkabo	--	2.8	--	2.2
Grenora	--	2.0	--	1.5
Other/Unknown	17.5	16.9	57.1	14.7
All Varieties	100.0	100.0	100.0	100.0

--Data not published for given year.

Durum Wheat: Percent of Total Seeded Acreage 2009-2016								
Variety	Percent of Total Seeded Acreage							
	2009	2010	2011	2012	2013	2014	2015	2016
Divide	5.5	10.1	12.1	22.8	22.1	34.4	21.3	27.1
Mountrail	34.6	25.2	27.6	26.5	22.7	28.0	27.0	20.7
Alzada	7.3	9.2	9.3	8.1	9.3	6.2	14.2	15.2
Tioga	--	--	--	1.2	0.8	4.0	5.5	8.6
Kyle	8.7	8.3	5.0	3.2	4.5	3.4	9.0	5.9
Alkabo	4.6	4.6	4.7	3.9	4.5	4.4	2.2	4.4
Joppa	--	--	--	--	--	--	--	1.8
Strongfield	7.4	13.4	14.9	16.0	10.8	5.8	4.6	1.7
Pierce	1.9	1.2	2.0	1.4	1.2	1.4	--	1.5
Grenora	6.5	5.9	4.1	2.9	7.7	1.1	1.5	0.9
Carpio	--	--	--	--	--	--	--	0.5
Other & Unknown	23.5	22.1	20.3	14.0	16.4	11.3	14.7	11.7
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

--Data not published for given year.