



**2008**  
**South Dakota**  
**WHEAT VARIETIES**



August 4, 2008

**INTRODUCTION**

This report summarizes the results of the 2008 Wheat Variety Survey conducted by USDA's South Dakota's Field Office of the National Agricultural Statistics Service. Data was obtained from a cross-section of South Dakota wheat producers. Survey results were tabulated from over 2,100 South Dakota wheat producers; Approximately 1,430 reported winter wheat and 1,350 reported spring wheat. Percents and acreage data are included at both regional and state levels for winter and spring wheat (excluding durum wheat). All variety data and regional acreages in this publication are based on survey averages.

This survey is conducted on an intermittent basis. Comparable surveys were completed in 1999, 2002, and 2005. Extra copies are available upon request. Thanks to all the producers who supplied data making this report possible.

**2008 WHEAT**

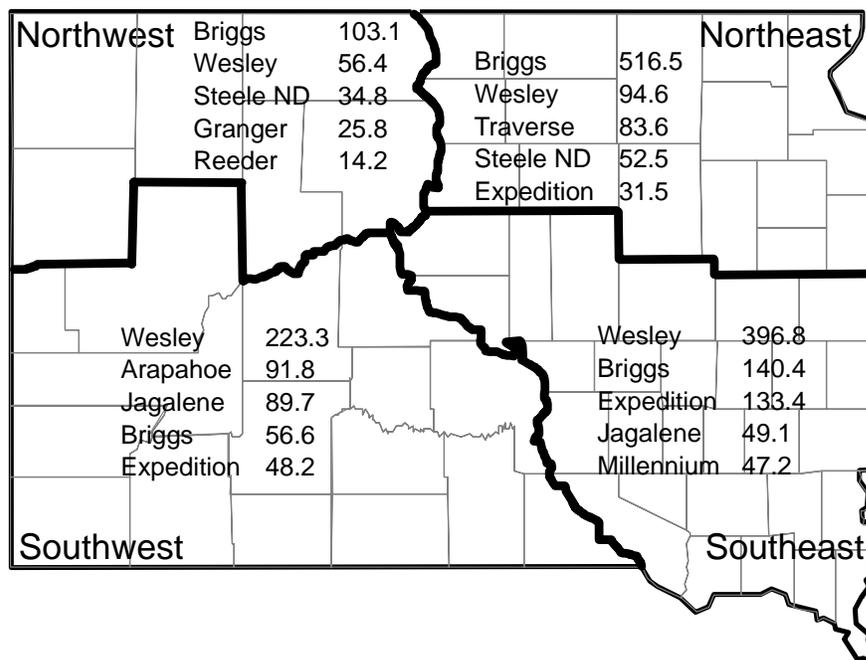
South Dakota had 3.56 million acres planted to wheat for the 2008 crop year. This compares to 3.509 million last year and 3.315 million acres in 2005, the year of the last wheat variety survey.

Winter wheat planted for 2008 totaled 1.90 million acres, up from 1.55 million in 2005. Spring wheat acres totaled 1.65 million acres in 2008, down from 1.75 million in 2005.

**HIGHLIGHTS**

The most popular wheat variety in South Dakota in 2008 was Briggs, a spring wheat variety; The most planted winter wheat variety was Wesley. These two varieties accounted for 44.6 percent of the state's 3.56 million wheat acres.

**LEADING WHEAT VARIETIES IN SOUTH DAKOTA, 2008**  
**SEEDED ACREAGE (000), BY REGION**



## WINTER WHEAT

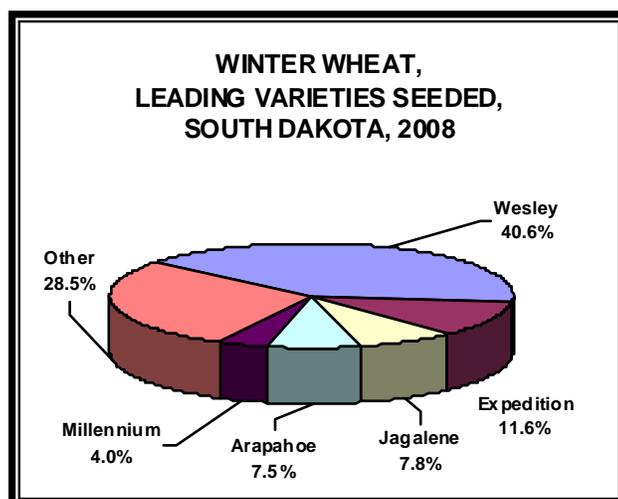
The most popular winter wheat variety in South Dakota in 2008 was Wesley, while Expedition was the second most popular. The top two varieties accounted for 52.2 percent of the 1.9 million winter wheat acres planted in South Dakota. Wesley was planted on 771,100 acres, which is up from 520,600 acres in 2005. Expedition accounted for 220,100 acres. Jagalene is the third leading winter wheat variety, planted on 7.8

percent of the state's winter wheat acres. Arapahoe ranked fourth, with 7.5 percent, followed by a new variety, Millennium, with 4.0 percent. These top five varieties accounted for 71.5 percent of the state's winter wheat acres. New varieties reported for the first time in 2008, with 8.5 percent of the winter wheat acreage, included Millennium, CDC Falcon, Wendy (HW), and Darrell.

**WINTER WHEAT VARIETIES SEEDED,  
SOUTH DAKOTA, 1999, 2002, 2005, & 2008**

Variety	Percent of State Total			2008	
	1999	2002	2005	Pct.	Acres Planted (000)
Wesley	--	10.6	33.6	40.6	771.1
Expedition	--	--	3.6	11.6	220.1
Jagalene	--	--	6.0	7.8	148.8
Arapahoe	38.0	28.1	10.2	7.5	142.3
Millennium	--	--	--	4.0	76.0
Wahoo	--	--	2.4	2.9	55.9
Nekota	25.0	23.5	12.1	2.1	39.4
CDC Falcon	--	--	--	1.8	33.6
Alliance	6.3	4.9	2.3	1.7	33.1
Wendy (HW)	--	--	--	1.4	26.6
Darrell	--	--	--	1.3	23.9
Harding	--	2.9	1.8	1.1	21.6
Other Varieties 1/	30.7	30.0	27.9	16.2	307.6
Total 2/	100.0	100.0	100.0	100.0	1,900.0

1/ Includes varieties with less than 1 percent of the state's acreage in 2008 and unknown varieties. 2/ Percentages may not add due to rounding.



**PERCENT AND ACREAGE OF WINTER WHEAT SEEDED BY REGION, SOUTH DAKOTA, 2008**

Variety	Northwest		Northeast		Southwest		Southeast		State	
	Acres (000)	Percent								
Wesley	56.4	43.1	94.6	46.8	223.3	31.6	396.8	46.1	771.1	40.6
Expedition	7.0	5.3	31.5	15.6	48.2	6.8	133.4	15.5	220.1	11.6
Jagalene	5.9	4.5	4.1	2.0	89.7	12.7	49.1	5.7	148.8	7.8
Arapahoe	5.8	4.4	10.9	5.4	91.8	13.0	33.8	3.9	142.3	7.5
Millennium	0.1	0.1	2.5	1.2	26.2	3.7	47.2	5.5	76.0	4.0
Wahoo	0.0	0.0	4.9	2.4	21.2	3.0	29.8	3.5	55.9	2.9
Nekota	1.9	1.5	0.6	0.3	18.6	2.6	18.3	2.1	39.4	2.1
CDC Falcon	0.0	0.0	6.9	3.4	0.0	0.0	26.7	3.1	33.6	1.8
Alliance	1.6	1.2	1.2	0.6	28.7	4.1	1.6	0.2	33.1	1.7
Wendy (HW)	0.4	0.3	7.2	3.6	10.2	1.4	8.8	1.0	26.6	1.4
Darrell	0.6	0.5	3.0	1.5	7.1	1.0	13.2	1.5	23.9	1.3
Harding	9.8	7.5	3.3	1.6	4.6	0.7	3.9	0.5	21.6	1.1
Other Varieties 1/	41.5	31.7	31.3	15.5	137.4	19.4	97.4	11.3	307.6	16.2
Total 2/	131.0	100.0	202.0	100.0	707.0	100.0	860.0	100.0	1,900.0	100.0

1/ Includes varieties with less than 1% of the state's acreage in 2008 and unknown varieties. 2/ Percentages may not add due to rounding.

## SPRING WHEAT -----

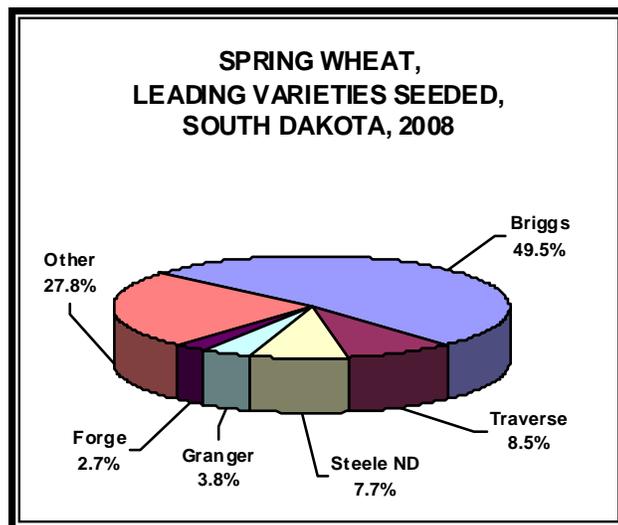
The leading spring wheat varieties in South Dakota for 2008 were Briggs, Traverse, Steele ND, Granger, and Forge. Of the 1.65 million acres of spring wheat planted in South Dakota, the top five varieties made up 72.2 percent of the total. Briggs was planted on 816,600 acres, or 49.5 percent of the state's total spring wheat acreage. Second was Traverse, which was planted on 139,700 acres, followed by Steele ND,

which was planted on 126,700 acres. Rounding out the top five were Granger and Forge, which accounted for 3.8 percent and 2.7 percent of the spring wheat acreage, respectively. New varieties reported for the first time in 2008, with 20.3 percent of the spring wheat acreage, included Traverse, Steele ND, Kelby, Glenn, and Freyer.

**SPRING WHEAT VARIETIES SEEDED,  
SOUTH DAKOTA, 1999, 2002, 2005, & 2008**

Variety	Percent of State Total			2008	
	1999	2002	2005	Pct.	Acres Planted (000)
Briggs	--	--	29.5	49.5	816.6
Traverse	--	--	--	8.5	139.7
Steele ND	--	--	--	7.7	126.7
Granger	--	--	3.3	3.8	63.0
Forge	11.6	16.8	9.7	2.7	44.9
Russ	26.8	18.4	8.4	2.4	40.0
Oxen	28.6	23.3	12.8	2.1	34.3
Kelby	--	--	--	2.0	32.4
Butte 86/Butte	12.8	4.1	2.1	1.8	29.4
Reeder	--	2.4	6.2	1.7	27.4
Knudson	--	--	2.1	1.3	21.9
Glenn	--	--	--	1.1	18.7
Freyer	--	--	--	1.0	17.2
Other Varieties 1/	20.2	35.0	25.9	14.4	237.8
Total 2/	100.0	100.0	100.0	100.0	1,650.0

1/ Includes varieties with less than 1 percent of the state's acreage in 2008 and unknown varieties. 2/ Percentages may not add due to rounding.



**PERCENT AND ACREAGE OF SPRING WHEAT SEEDED BY REGION, SOUTH DAKOTA, 2008**

Variety	Northwest		Northeast		Southwest		Southeast		State	
	Acres (000)	Percent								
Briggs	103.1	39.1	516.5	58.0	56.6	30.8	140.4	45.1	816.6	49.5
Traverse	3.5	1.3	83.6	9.4	14.4	7.8	38.2	12.3	139.7	8.5
Steele ND	34.8	13.2	52.5	5.9	0.3	0.2	39.1	12.6	126.7	7.7
Granger	25.8	9.8	13.1	1.5	9.1	4.9	15.0	4.8	63.0	3.8
Forge	3.5	1.3	6.6	0.7	20.1	10.9	14.7	4.7	44.9	2.7
Russ	4.8	1.8	17.9	2.0	7.1	3.9	10.2	3.3	40.0	2.4
Oxen	5.3	2.0	17.1	1.9	7.4	4.0	4.5	1.4	34.3	2.1
Kelby	1.8	0.7	25.8	2.9	2.2	1.2	2.6	0.8	32.4	2.0
Butte 86/Butte	7.1	2.7	8.9	1.0	9.6	5.2	3.8	1.2	29.4	1.8
Reeder	14.2	5.4	5.6	0.6	3.5	1.9	4.1	1.3	27.4	1.7
Knudson	0.0	0.0	21.1	2.4	0.5	0.3	0.3	0.1	21.9	1.3
Glenn	1.2	0.5	14.4	1.6	0.6	0.3	2.5	0.8	18.7	1.1
Freyer	0.2	0.1	11.2	1.3	5.2	2.8	0.6	0.2	17.2	1.0
Other Varieties 1/	58.7	22.2	96.7	10.9	47.4	25.8	35.0	11.3	237.8	14.4
Total 2/	264.0	100.0	891.0	100.0	184.0	100.0	311.0	100.0	1,650.0	100.0

1/ Includes varieties with less than 1% of the state's acreage in 2008 and unknown varieties. 2/ Percentages may not add due to rounding.

New questions added to the 2008 survey asked producers to report their seed utilization and practices. The results of these new questions are compiled in the table below.

**QUESTIONS on WHEAT SEED PLANTED**

<b>2008 Crop Year</b>	<b>Number of Responses</b>	<b>YES</b>	<b>NO</b>
Did you purchase any <b>certified</b> wheat seed?	1,910	43.7%	56.3%
Did you produce or purchase any <b>bin run</b> wheat seed this year?	1,884	59.2%	40.8%
Was your <b>bin run</b> wheat seed treated?	1,438	29.2%	70.8%
Was a germination test performed on your <b>bin run</b> wheat seed?	1,411	36.6%	63.4%
Do you see a difference in yield between <b>bin run</b> versus <b>certified</b> wheat seed?	1,173	20.3%	79.7%
Do you increase seeding rates when using <b>bin run</b> versus <b>certified</b> wheat seed?	1,351	32.0%	68.0%

**FIVE-YEAR AVERAGE, HARVESTED ACREAGE, YIELD AND PRODUCTION, SOUTH DAKOTA, 2003-2007 1/**

Region	Winter Wheat			Other Spring Wheat		
	Harvested	Yield per acre	Production	Harvested	Yield per acre	Production
	Acres	----- Bushels -----		Acres	----- Bushels -----	
Northwest	91,600	32.2	2,950,000	191,620	22.6	4,323,800
Northeast	154,700	54.2	8,388,200	787,780	46.9	36,968,400
Southwest	585,840	37.1	21,737,800	160,300	25.7	4,125,400
Southeast	627,860	49.2	30,872,000	324,300	39.2	12,712,400
State Total	1,460,000	43.8	63,948,000	1,464,000	39.7	58,130,000

1/ All averages are derived from published data.

<p>Funding for the Wheat Variety Survey was provided by          South Dakota State University (SDSU) Agricultural Experiment Station,          South Dakota Wheat Commission,          and South Dakota Crop Improvement Association</p>
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