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Grain Yield and Quality Comparisons:

Briggs has an intermediate to high yield potential if the crop does not lodge. Agronomic performance of Briggs improves relative to other HRSW varieties when planting is delayed. Briggs is resistant to preharvest sprouting and Hagberg falling number averages > 400 seconds. For additional yield comparisons, consult the *Minnesota Varietal Trials Results* bulletin.

Table 5: Grain yield of Briggs relative to comparable HRSW varieties (2003 - 2005 data).

Variety	Relative Maturity (days)	North (%)	South (%)	State (%)
Oklee	-1	100	101	101
Ulen	-1	99	110	105
Briggs	0	101	102	102
Granger	0	100	107	104
Knudson	+2	106	110	109

Table 6: Grain quality of Briggs relative to comparable HRSW varieties (2004 and 2005 data).

Variety	Test Weight (lb/bu)	Grain Protein (%)	Baking Quality
Oklee	60.4	15.2	low to medium
Ulen	59.3	15.2	medium
Briggs	60.1	14.9	medium
Granger	59.6	14.8	medium
Knudson	59.5	14.3	medium - high



**Minnesota
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UNIVERSITY OF MINNESOTA

Briggs

Hard Red Spring Wheat

February 2006

Briggs

'Briggs' is a hard red spring wheat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2002. Briggs was selected from the cross BW114/Bergen//SD3097.

Before release, Briggs was tested as SD 3367 South Dakota's state-wide yield trials from 1997 through 2001 and in 2001 and 2002 in the Uniform Regional Hard Red Spring Wheat Nursery. Since 2002 Briggs has been entered in the Minnesota State Yield Trials.

The variety is named to commemorate Hilton M. Briggs, who served as president of SDSU from 1958 to 1975. Protection under the Title V provision of the US Plant Variety Protection Act is pending. Breeder seed of Briggs is maintained by the SDAES. In Minnesota foundation seed is produced and maintained by the Minnesota Crop Improvement Association, 1900 Hendon Avenue, St. Paul MN 55108 (www.mncia.org).

Characteristics:

Briggs is an awned, tall semi-dwarf hard red spring wheat. The small sized kernels are red and oblong. Briggs has an early maturity. Plant height averages 33 inches and straw strength is intermediate, similar to Oxen and Walworth. The potential for lodging increases with early planting and cooler growing conditions.

Planting:

Briggs is widely adapted and can be planted throughout Minnesota. Briggs can be planted late without large penalties in grain yield, test weight or grain quality.

Table 1: Seed characteristics of Briggs.

Coleoptile	2.8 inches
Seed Count	16,000 seeds/lbs

Table 2: Seeding rate information for Briggs.

	Early	Late
Optimum Stand (plants/ft²)	30	34
Seeding Rate (lbs/acre)	100	115

Herbicides:

Briggs has no restrictions for any other herbicides labeled for use on HRSW in Minnesota. Crop tolerance data to most common grass herbicides is presented in Table 3.

Table 3: Crop tolerance of Briggs to postemergence grass herbicides.

Herbicide	Poor	Fair	Good
Assert			x
Axial			x
Discover			x
Everest		x	x
Puma			x
Rimfire		x	x
Silverado		x	x

Fungicides and Seed Treatments

Briggs has no restrictions for any of the fungicides or seed treatments labeled on hard red spring wheat in Minnesota. Avoid planting Briggs into wheat or barley stubble and/or use a seed treatment to reduce the impact of common root rot. Disease responses of Briggs to common pathogens are listed in Table 4.

Table 4: Disease responses of Briggs to common pathogens.

Disease	S	MS	MR	R
Common Root Rot	x			
Leaf Rust				x
Stem Rust				x
Stripe Rust				x
Tan spot/ Septoria complex			x	
FHB (disease severity)		x	x	
FHB (grain soundness)		x		
Black Point			No data	