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For information beyond that provided in this publication and the variety trials results, contact Jochum Wiersma at (218) 281-8629 or at wiers002@umn.edu

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Grain Yield and Quality Comparisons:

Ada's yield ranks slightly below the top yielding cultivars in the State Yield Trials. However, Ada ranks at the top of the State Yield Trials in test weight and has above average for grain protein content. The variety is resistant to pre-harvest sprouting and the Hagberg falling number averages > 400 seconds. The end-use quality of Ada is good. For additional yield comparisons, consult the *Minnesota Varietal Trials Results* bulletin.

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

Variety	Relative Maturity (days)	North (%)	South (%)	State (%)
Oklee	-4	100	101	101
Granger	-3	100	107	104
Ada	0	103	103	103
Briggs	-3	101	102	102
Knudson	-1	106	110	109

Table 6: Grain quality of Ada relative to comparable HRSW varieties (2004-2005)

Variety	Test Weight (lb/bu)	Grain Protein (%)	Baking Quality
Oklee	60.4	15.0	low - medium
Granger	59.6	14.7	medium
Ada	60.6	14.7	medium - high
Briggs	60.1	14.8	medium
Knudson	59.5	14.3	medium - high

Ada

Hard Red Spring Wheat

February 2006

Ada

'Ada' is a hard red spring wheat developed and released by the Minnesota Agricultural Experiment Station (MAES) in 2006. Ada has the pedigree Butte/3/TZPP/Son64//Crim/4/2375 and originates from the former Pioneer Hi-Bred spring wheat breeding program.

Before release, Ada was tested as MN95229 and MN95229-A in yield trials since 1998 and was in the Uniform Regional Hard Red Spring Wheat Nursery in 1999 and 2000. Since 2002 Ada has been entered in the Minnesota State Yield Trials.

The variety is named after the town of Ada in the heart of the Red River Valley. Protection under the Title V provision of the US Plant Variety Protection Act is pending. Breeder seed of Ada is maintained by the MAES. Foundation seed is produced and maintained by the Minnesota Crop Improvement Association, 1900 Hendon Avenue, St. Paul MN 55108 (www.mncia.org).

Characteristics:

Ada is an awned hard red spring wheat with medium sized kernels that are red and with an ovate form. Ada has a medium maturity. Plant height averages 30 inches and straw strength is good, similar to slightly better than Knudson. Ada has high yield potential with a high test weight and high grain protein percentage.

Planting:

Ada is well suited for the whole state of Minnesota.

Table 1: Seed characteristics of Ada.

Coleoptile	No data
Seed Count	12,800 seeds/lbs

Table 2: Seeding rate information for Ada.

	Early	Late
Optimum Stand (plants/ft²)	30	32
Seeding Rate (lbs/acre)	123	132

Herbicides:

Ada has no restrictions for any of the common herbicides labeled for hard red spring wheat in Minnesota.

Table 3: Crop tolerance of Ada 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:

Ada has no restrictions for any of the fungicides or seed treatments labeled on hard red spring wheat in Minnesota. Ada is susceptible to powdery mildew. Avoid planting Ada on last years wheat ground and/or use a fungicide to reduce the impact leaf diseases. Disease responses of Ada to other common pathogens are listed in Table 4.

Table 4: Disease responses of Ada to common pathogens.

Disease	S	MS	MR	R
Common Root Rot		No data		
Leaf Rust			x	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		