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Grain Yield and Quality Comparisons:

Across the state, Deon has one of the highest yield potentials. Deon's yield advantage is smaller in the most southern part of the State or when seeding is delayed. For additional yield comparisons, consult the *Minnesota Field Crop Trials* bulletin (www.maes.umn.edu).

Table 5: Grain yield of Deon relative to comparable oat varieties (2012-2014).

Variety	Relative Maturity (days)	North (%)	South (%)	State (%)
Newburg	-4	110	111	105
Souris	-4	104	96	90
Rockford	-2	102	97	88
Deon	0	114	107	110

Table 6: Grain quality of Deon relative to comparable oat varieties (2012-2013).

Variety	Test Weight (lbs/bu)	Groat (%)	Seed Color
Newburg	39	73	White
Souris	39	72	White
Rockford	40	72	White
Deon	39	73	Yellow

Minnesota Agricultural Experiment Station

UNIVERSITY OF MINNESOTA

Deon
Oats

January 2015

Deon

'Deon is a variety of oats developed and released by the Minnesota Agricultural Experiment Station (MAES) in 2012. Deon was selected from a cross Sesqui*2/Bettong//MN02108

Before release, Deon was tested as MN07210 in yield trials since 2009 and was in the Uniform Midseason Oat Performance Nursery in 2009, 2010, and 2011. Deon has been entered in the *Minnesota Field Crop Trials* since 2011.

The variety is named after Deon Stuthman, the longtime oat breeder at the University of Minnesota. Protection under the Title V provision of the US Plant Variety Protection Act is pending. Breeder seed of Deon is maintained by the MAES. Foundation seed is produced and maintained by the Minnesota Crop Improvement Association, 1900 Hendon Avenue, St. Paul MN 55108 . For a list of certified seed producers contact MCIA at 1-800-510-6242 or at www.mncia.org

Characteristics:

Deon is a yellow seeded oat with medium large sized kernels. Deon has a late maturity. Deon is medium tall and has very stiff straw and very good resistance to lodging Deon has very high grain yield with medium test weight and medium groat and grain protein percentages.

Planting:

Deon tillers well and is well suited for the whole state of Minnesota.

Table 1: Seed characteristics of Deon.

Color	Yellow
Seed Count	13,000

Table 2: Seeding rate information for Deon.

	Early	Late
Optimum Stand (plants/ft ²)	28	30
Seeding Rate (lbs/acre)	110	120

Herbicides:

Deon has no restrictions for any of the common herbicides labeled for oats in Minnesota. No products are currently labeled for control of wild oats. green or yellow foxtail in oats. 2,4-D (both amine and ester) is labeled for use in oats but tolerance of to 2,4-D is marginal and 2,4-D should only be applied if crop injury is acceptable.

Fungicides and Seed Treatments:

Deon has no restrictions for any of the fungicides or seed treatments labeled on oats in Minnesota. Disease responses of Deon to common pathogens are listed in Table 4. Currently, Deon has some of the best crown rust resistance available. However, the use of a fungicide at Feekes 9 is warranted if crown rust is present in the lower canopy at that time.

Table 4: Disease ratings of Deon to common pathogens with 1=best and 9=worst.

Disease	Rating
Crown Rust	6
Stem Rust	N/A
Loose Smut	1
Barley Yellow Dwarf Virus	4