

Streaker Oats

HULLESS OAT FOR ON-FARM FEEDING OR PROCESSING

Maturity: Early

Height: Tall

Straw Strength: Below Average

Test Weight: Much Higher than
Hulled Oats

Yield: Below Average

Crown Rust Resistance: Average

Seed Color: Hulless

AGRONOMICS

- Hulless oats should be seeded at a lower rate than hulled oats; our seed grower plants 2.5 bu/acre. University planting rates have put seeding rates on 48-62 lbs/acre
- Early maturity (equivalent to Badger & Sumo, UMN, 2018)
- Taller Oats (same height at Deon; UMN, 2018)
- Below average standability (UMN, 2018)
- Average crown rust resistance

PERFORMANCE

- Below average yield in trials; consistently yields less than hulled oats
- Depending on the environmental conditions, Streaker can exhibit up to 5% hulled oats at harvest
- Very high grain protein percentage
- Adaptable from SD to NY

NOTES

- Specialty oats for feeding on-farm or value-added marketing
- PVP (94), seed can only be sold as a class of Cert. Seed
- Hulless oats can spoil easily in storage and require a lot of air



Streaker Oats, continued

Table 1. Relative grain yield of oat varieties in Minnesota in single-year (2018) and multiple-year comparisons (2016-2018)

Variety	Waseca	Le Center		Lamberton		Statewide ¹	
	2 yr	2018	3 yr	2018	3 yr	2018	3 yr
<i>Numbers represent grain yields as a percent of the mean (average yield in bu/A) within each column.</i>							
Antigo	101	90	94	99	97	97	98
Badger	113	92	111	84	90	98	106
Deon	109	104	111	120	123	102	116
Hayden	108	101	108	106	108	104	118
Horsepower	84	110	102	88	89	101	103
Reins	119	92	113	71	88	101	108
Saber	125	107	107	94	109	103	114
Shelby 427	63	92	102	90	90	104	104
Sumo	91	87	69	87	87	90	88
Streaker	73	60	56	70	79	75	76
<i>Mean (Bu/Acre)</i>	<i>103</i>	<i>153</i>	<i>136</i>	<i>126</i>	<i>132</i>	<i>149</i>	<i>120</i>
<i>LSD (0.10)</i>	<i>16</i>	<i>22</i>	<i>24</i>	<i>14</i>	<i>11</i>	<i>49</i>	<i>31</i>

¹ Yields averaged over 7 research locations.

Table 2. Agronomic characteristics of oat varieties in Minnesota in multiple-year comparisons (2016-2018)

Variety	Seed Color	Days to Heading	Plant Height (Inches)	Straw Strength ¹ (1-9)	Test Weight (lbs/Bu)	Crown Rust ² (1-9)	Groat ³ (%)	Grain Protein ⁴ (%)	Oil (%)
Antigo	Yellow	58	36	3	38	2	68	13.8	5.3
Badger	Yellow	57	35	5	36	6	69	13.4	4
Deon	Yellow	65	41	4	37	3	69	12.8	4.7
Hayden	White	63	42	5	38	6	69	12.7	5.3
Horse-power	White	61	36	4	36	6	69	12.8	4.6
Reins	White	59	33	3	38	6	70	14.2	4.1
Saber	Yellow	58	36	4	37	6	72	14.2	4.2
Shelby 427	White	59	40	5	38	6	70	13.3	5.1
Streaker	Hulless	60	41	6	--	5	--	17.5	6.6
Sumo	White	57	37	3	37	5	70	14.9	3.8

¹ 1 = resistant, 9 = susceptible

² 2017 and 2018, 1 = most resistant, 9 = most susceptible

³ Trait measured in 2016 and 2017 only

⁴ Whole grain NIRS, trait measured in 2017 and 2018

Source: University of Minnesota 2018 Oat Field Crop Trials Results
(https://www.maes.umn.edu/sites/maes.umn.edu/files/2018_oat_final2.pdf)

