

2019 Winter Rye Variety Trial at Minot

Variety	Winter Survival %	Heading Date June	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	----- Grain Yield -----				
						2017	2018	2019	2 yr avg	3 yr avg
						----- bushels per acre -----				
Hazlet	99	7	43	1	57.4	76.7	57.1	75.1	66.1	69.6
Rymin	99	5	42	1	57.2	76.9	55.5	75.7	65.6	69.4
ND Dylan	99	5	45	2	57.2	72.6	45.5	77.3	61.4	65.1
Dacold	99	7	42	1	57.5	58.8	42.6	76.9	59.8	59.4
Hancock	99	4	43	1	57.1	69.6	45.4	62.5	53.9	59.2
DREB15	99	1	45	1	56.3	56.9	40.0	65.0	52.5	54.0
Spooner	99	4	44	2	56.1	57.5	35.7	60.5	48.1	51.2
Aroostook	99	3	45	2	56.4	40.9	27.9	59.1	43.5	42.6
Wheeler	99	8	47	1	52.7	41.0	23.1	30.0	26.5	31.4
Brasetto	99	6	36	1	56.1	--	59.1	101.5	80.3	--
Bono	99	7	37	1	57.5	--	--	105.6	--	--
Trial Mean	99	5	43	1	56.5	63.9	43.2	71.7	--	--
C.V. %	0.0	16	5.7	56.0	1.8	8.4	7.8	6.4	--	--
LSD 5%	NS	1	4	NS	1.8	9.1	5.8	7.8	--	--
LSD 10%	NS	1	3	NS	1.5	7.5	4.8	6.5	--	--

*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planting Date: September 18, 2018

Harvest Date: August 7, 2019

Seeding Rate: 1 million live seeds / acre

Previous Crop: 2016 = canola, 2017 = spring wheat, 2018 = soy

Tillage System: Transitional No-till (year 3)

Soil Type: Williams loam

Note: The 2018 trial sustained severe spring moisture stress.