

2022 Durum Variety Trial at Mohall

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

Variety	Plant	Lodging	Test	-----Grain Yield-----					
	Height		Weight	Protein	2020	2021	2022	2 yr avg	3 yr avg
	inches	0-9*	lbs/bu	%	-----bu/A-----				
ND Riveland	32	1	58.8	13.7	36.3	32.3	39.2	35.7	35.9
Tioga	32	2	58.4	14.3	37.9	32.2	34.8	33.5	35.0
Carpio	30	2	59.3	13.6	31.2	32.9	39.5	36.2	34.5
Joppa	30	2	58.2	13.9	32.5	33.2	35.3	34.3	33.7
Divide	31	1	57.0	13.9	35.5	31.7	33.7	32.7	33.6
ND Grano	27	1	58.1	14.1	32.7	32.4	34.4	33.4	33.2
Alkabo	28	1	57.9	13.9	31.3	29.5	35.9	32.7	32.2
ND Stanley	29	1	59.0	14.9	--	35.5	39.7	37.6	--
AAC Spitfire	28	2	56.8	15.0	--	30.6	39.2	34.9	--
AAC Stronghold	28	1	57.6	15.4	--	27.9	34.5	31.2	--
CDC Defy	31	1	58.9	14.2	--	--	40.5	--	--
CDC Vantta	28	1	56.5	14.1	--	--	32.8	--	--
Trial Mean	30	1	58.0	14.2	34.2	31.3	36.6	--	--
C.V.%	4.2	19.0	0.8	4.9	14.9	20.5	6.3	--	--
LSD 5%	2	1	0.8	1.2	NS	NS	3.9	--	--
LSD 10%	2	1	0.6	1.0	NS	NS	3.2	--	--

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

NS = no statistical difference between varieties.

Planted on May 26 with a seeding rate of 1.5 million PLS/A and harvested on Sept 9.

Previous Crop: 2019 = durum, 2020 = canola, 2021 = oat.

Tillage: minimum till

Soil Type: Barnes loam

Note: The 2021 trial sustained moderate drought. View data with caution.

The 2022 trial sustained moderate hail damage on August 19.