

2020 Durum Variety Trial at Garrison

Cooperators: Brian and Roger Bendickson, Garrison

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield				
					2018	2019	2020	-- Average -- 2 yr 3 yr	
ND Grano	25	0	57.5	13.3	62.4	61.3	29.7	45.5	51.1
Grenora	26	0	56.3	13.2	65.7	54.7	32.7	43.7	51.0
Montrail	26	0	56.4	12.9	63.2	59.8	29.4	44.6	50.8
Joppa	27	0	58.0	12.7	62.8	56.4	30.9	43.7	50.0
Tioga	28	0	56.7	13.4	63.6	54.6	29.0	41.8	49.1
Alkabo	26	0	58.1	12.8	59.8	57.3	29.7	43.5	48.9
Lebsock	26	0	58.4	13.2	62.9	52.9	28.9	40.9	48.2
ND Riveland	27	0	58.7	13.1	57.9	57.0	27.3	42.1	47.4
Carpio	26	0	58.1	12.8	61.3	53.8	24.8	39.3	46.6
Divide	27	0	55.8	13.2	58.3	52.4	27.2	39.8	46.0
Trial Mean	26	0	57.4	13.0	61.8	56.0	29.0	--	--
C.V.%	3.3	0	0.9	1.9	11.3	6.0	7.8	--	--
LSD 5%	1	NS	0.7	0.4	NS	4.9	3.3	--	--
LSD 10%	1	NS	0.6	0.3	NS	4.1	2.7	--	--

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

NS = no statistical difference between varieties.

Planted on April 24 with a seeding rate of 1.5 million PLS/A and harvested on August 21.

Previous Crop: 2017 = spring wheat, 2018 = soybean, 2019 = spring wheat.

Tillage: no-till

Soil Type: Williams Bowbells loam

Note: The 2020 trial sustained a moderate infestation of fusarium head blight.

2020 Durum Variety Trial at Wilton

Cooperator: Wes Doepke, Wilton

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield				
					2018	2019	2020	-- Average -- 2 yr 3 yr	
Grenora	26	2	61.9	13.7	75.0	40.5	48.6	44.5	54.7
ND Riveland	31	1	61.8	13.9	66.3	39.6	54.9	47.3	53.6
ND Grano	28	1	62.5	13.9	67.2	41.1	45.8	43.4	51.4
Divide	29	2	62.2	14.5	62.2	36.2	48.8	42.5	49.1
Alkabo	28	1	62.5	13.8	57.1	39.9	50.0	44.9	49.0
Montrail	28	2	61.8	13.6	57.9	42.1	45.7	43.9	48.6
Joppa	29	2	62.0	13.0	55.5	38.9	49.7	44.3	48.0
Tioga	29	2	62.7	13.9	55.6	39.9	46.4	43.1	47.3
Carpio	29	2	61.4	13.8	53.5	41.8	43.6	42.7	46.3
Lebsock	29	2	62.9	13.6	53.0	36.4	45.5	41.0	45.0
Trial Mean	29	2	62.2	13.8	60.6	39.6	47.9	--	--
C.V.%	5.2	41	0.5	2.1	6.5	8.1	9.3	--	--
LSD 5%	2	1	0.5	0.4	5.7	4.7	6.4	--	--
LSD 10%	2	1	0.4	0.4	4.7	3.9	5.3	--	--

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

Planted on April 24 with a seeding rate of 1.5 million PLS/A and harvested on August 6.

Previous Crop: 2017 = soy, 2018 = corn, 2019 = durum.

Tillage: minimum till

Soil Type: Mandan silt loam