

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			-- Average --	
					2017	2018	2019	2 yr	3 yr
					-----bu/A-----				
Mountrail	29	0	60.9	12.7	20.7	63.2	59.8	61.5	47.9
ND Grano	31	0	61.7	13.9	18.8	62.4	61.3	61.8	47.5
Grenora	29	0	58.8	13.5	18.3	65.7	54.7	60.2	46.2
Alkabo	29	0	60.8	13.7	19.6	59.8	57.3	58.5	45.6
ND Riveland	32	0	61.3	14.2	21.4	57.9	57.0	57.4	45.4
Joppa	30	0	60.9	13.3	16.7	62.8	56.4	59.6	45.3
Carpio	30	0	61.4	13.5	18.3	61.3	53.8	57.6	44.5
Divide	31	0	61.4	13.9	19.1	58.3	52.4	55.4	43.3
Tioga	32	0	60.5	13.5	--	63.6	54.6	59.1	--
Lebsock	28	0	60.6	13.3	--	62.9	52.9	57.9	--
Trial Mean	30	0	60.8	13.5	19.0	61.8	56.0	--	--
C.V.%	6.4	0	1.0	2.8	21.6	11.3	6.0	--	--
LSD 5%	3	NS	0.8	0.5	NS	NS	4.9	--	--
LSD 10%	2	NS	0.7	0.4	NS	NS	4.1	--	--

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

NS = no statistical difference between varieties.

Planted on April 26 with a seeding rate of 1.5 million PLS/A and harvested on August 21.

Previous Crop: 2016 = barley, 2017 = spring wheat, 2018 = soybean.

Tillage: no-till

Soil Type: Williams Bowbells loam

Note: The 2017 trial sustained severe drought and wheat stem sawfly damage.

Durum Variety Trial at Wilton

Cooperator: Wes Doepke, Wilton

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield			-- Average --	
					2017	2018	2019	2 yr	3 yr
					-----bu/A-----				
Grenora	25	2	54.0	15.5	41.8	75.0	40.5	57.8	52.4
ND Grano	26	1	56.3	15.9	42.0	67.2	41.1	54.2	50.1
ND Riveland	27	1	58.9	15.6	43.3	66.3	39.6	52.9	49.7
Mountrail	25	2	56.5	15.3	39.6	57.9	42.1	50.0	46.5
Carpio	25	2	57.9	15.7	43.6	53.5	41.8	47.6	46.3
Joppa	25	3	57.1	15.3	44.0	55.5	38.9	47.2	46.1
Alkabo	25	1	57.6	15.3	38.4	57.1	39.9	48.5	45.1
Divide	25	4	57.5	16.1	33.0	62.2	36.2	49.2	43.8
Tioga	27	2	57.0	16.2	--	55.6	39.9	47.8	--
Lebsock	25	2	56.9	15.5	--	53.0	36.4	44.7	--
Trial Mean	26	2	57.0	15.6	41.0	60.6	39.6	--	--
C.V.%	4.9	35	1.3	1.7	10.9	6.5	8.1	--	--
LSD 5%	2	1	1.1	0.4	6.5	5.7	4.7	--	--
LSD 10%	1	1	0.9	0.3	5.4	4.7	3.9	--	--

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

Planted on April 26 with a seeding rate of 1.5 million PLS/A and harvested on August 21.

Previous Crop: 2016 = wheat, 2017 = soy, 2018 = corn.

Tillage: minimum till

Soil Type: Mandan silt loam