

Durum Variety Trial at Mohall

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

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield			-- Average --	
					2017	2018	2019	2 yr	3 yr
Grenora	25	0	60.2	14.0	72.4	54.2	47.5	50.8	58.0
Joppa	26	0	62.3	14.0	74.0	50.5	48.0	49.2	57.5
Carpio	25	0	62.0	13.2	67.0	55.1	48.0	51.5	56.7
Alkabo	25	0	61.4	13.6	63.8	56.5	45.6	51.0	55.3
Mountrail	26	0	60.8	13.7	68.1	47.0	48.6	47.8	54.6
ND Riveland	29	0	61.9	14.0	69.0	48.6	45.8	47.2	54.5
ND Grano	26	0	61.9	14.0	61.3	48.8	46.2	47.5	52.1
Divide	25	0	60.9	14.9	56.5	43.3	44.0	43.6	47.9
Tioga	28	0	61.0	15.2	--	52.2	42.8	47.5	--
Lebsock	24	0	61.2	14.5	--	49.0	43.5	46.3	--
Trial Mean	26	0	61.4	14.1	67.5	50.8	46.0	--	--
C.V.%	5.1	0	1.0	3.3	7.8	11.5	10.3	--	--
LSD 5%	2	NS	0.8	0.7	7.7	8.4	NS	--	--
LSD 10%	2	NS	0.7	0.6	6.4	7.0	NS	--	--

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

NS = no statistical difference between varieties.

Planted on April 25 with a seeding rate of 1.5 million PLS/A and harvested on August 22.

Previous Crop: 2016 & 2017 = durum, 2018 = canola.

Tillage: minimum till

Soil Type: Barnes loam

Durum Variety Trial at Rugby

Cooperators: Dave Teigen and the Pierce County Crop Improvement Association

Variety	Plant Height inches	Lodging 0-9*	Test Weight lbs/bu	Protein %	Grain Yield			-- Average --	
					2017	2018	2019	2 yr	3 yr
ND Riveland	32	0	62.1	14.0	70.8	69.6	60.1	64.8	66.8
ND Grano	30	0	62.1	14.4	63.4	70.1	58.4	64.2	64.0
Carpio	31	0	61.6	14.0	64.9	67.9	55.2	61.5	62.7
Joppa	30	0	61.3	14.1	48.4	79.1	53.2	66.2	60.2
Alkabo	30	0	61.7	14.2	45.7	71.0	56.3	63.7	57.7
Divide	30	0	60.6	15.0	41.6	74.8	53.2	64.0	56.5
Mountrail	30	0	60.9	13.8	41.2	72.5	55.6	64.1	56.4
Grenora	29	0	59.4	14.6	45.8	59.9	57.6	58.7	54.4
Tioga	33	0	61.0	14.6	--	68.5	58.4	63.4	--
Lebsock	28	0	61.3	14.2	--	63.7	51.6	57.6	--
Trial Mean	30	0	61.2	14.3	52.0	70.1	56.0	--	--
C.V.%	4.5	0	0.9	1.9	12.7	6.3	6.4	--	--
LSD 5%	2	NS	0.8	0.4	11.3	6.4	5.2	--	--
LSD 10%	2	NS	0.7	0.3	9.4	5.3	4.3	--	--

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

NS = no statistical difference between varieties.

Planted on April 23 with a seeding rate of 1.5 million PLS/A and harvested on August 22.

Previous Crop: 2016 = field pea, 2017 = barley, 2018 = soybean

Tillage: minimum till

Soil Type: Gardena silt loam