

NDSU North Central Research Extension Center

2017 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				
					2015	2016	2017	-- Average -- 2 year 3 year	
					-----bu/A-----				
Joppa	35	0	60.0	12.2	66.0	93.8	74.0	83.9	77.9
Grenora	32	0	58.3	12.9	64.7	87.2	72.4	79.8	74.8
Mountrail	33	0	58.5	12.6	67.2	87.0	68.1	77.5	74.1
Carpio	35	0	59.7	12.4	64.7	88.0	67.0	77.5	73.2
Alkabo	31	0	59.3	12.5	63.3	85.1	63.8	74.4	70.7
Divide	34	0	58.9	13.2	64.0	85.7	56.5	71.1	68.7
ND Riveland	37	0	59.2	13.0	--	92.1	69.0	80.5	--
ND Grano	33	0	59.3	12.6	--	90.7	61.3	76.0	--
VT Peak	35	0	60.1	12.7	--	--	70.4	--	--
Trial Mean	34	0	59.4	12.7	64.2	88.7	67.5	--	--
C.V.%	4.3	0	1.0	4.7	3.9	4.5	7.8	--	--
LSD 5%	2	NS	0.8	0.9	3.7	5.8	7.7	--	--
LSD 10%	2	NS	0.7	0.7	3.0	4.8	6.4	--	--

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

NS = no statistical difference between varieties.

Planted on April 30 with a seeding rate of 1.5 million PLS/A and harvested on August 17.

Previous Crop: 2014 = oat, 2015 = sunflower, 2016 = durum.

Tillage: minimum till Soil Type: Barnes loam

2017 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				
					2015	2016	2017	-- Average -- 2 year 3 year	
					-----bu/A-----				
Carpio	28	0	59.6	14.1	66.5	64.7	64.9	64.8	65.4
Joppa	26	0	59.9	14.5	72.2	74.5	48.4	61.5	65.0
Grenora	25	0	59.7	15.0	75.6	72.9	45.8	59.3	64.8
Alkabo	25	0	60.2	14.4	76.2	71.9	45.7	58.8	64.6
Mountrail	22	0	59.9	14.7	73.7	76.0	41.2	58.6	63.6
Divide	27	0	59.6	14.9	71.0	69.7	41.6	55.6	60.8
ND Grano	27	0	59.7	14.8	--	71.0	63.4	67.2	--
ND Riveland	28	0	61.7	14.7	--	80.5	70.8	75.6	--
VT Peak	25	0	59.8	15.4	--	--	43.6	--	--
Trial Mean	26	0	59.9	14.8	71.8	73.1	52.0	--	--
C.V.%	5.7	0	1.4	1.8	4.0	3.5	12.7	--	--
LSD 5%	3	NS	1.4	0.4	4.2	3.7	11.3	--	--
LSD 10%	2	NS	1.1	0.4	3.4	3.1	9.4	--	--

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

NS = no statistical difference between varieties.

Planted on April 30 with a seeding rate of 1.5 million PLS/A and harvested on August 17.

Previous Crop: 2014 = soybean, 2015 = wheat, 2016 = field pea.

Tillage: minimum till

Soil Type: Gardena silt loam