

2021 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				
					2019	2020	2021**	-- Average** -- 2 yr 3 yr	
					-----bu/A-----				
Joppa	17	0	59.2	16.7	53.2	51.1	10.0	52.1	61.1
ND Grano	16	0	57.6	17.2	58.4	52.6	10.4	55.5	60.4
ND Riveland	17	0	58.8	16.8	60.1	50.4	11.0	55.3	60.0
Tioga	16	0	59.6	17.8	58.4	52.5	7.1	55.5	59.8
Alkabo	16	0	60.4	16.5	56.3	49.6	9.7	53.0	59.0
Carpio	17	0	58.7	16.2	55.2	51.7	10.5	53.5	58.3
Divide	16	0	59.3	17.2	53.2	46.5	8.3	49.8	58.2
Montrail	16	0	58.0	16.7	55.6	46.2	9.8	50.9	58.1
Grenora	15	0	58.8	17.0	57.6	50.7	10.1	54.2	56.1
Lebsock	16	0	60.0	18.1	51.6	42.0	9.5	46.8	52.4
AAC Spitfire	17	0	57.3	17.4			10.5		
ND Stanley	17	0	58.3	17.5			9.1		
AAC Stronghold	17	0	58.2	17.4			9.1		
Trial Mean	16	0	58.8	17.1	56.0	49.3	9.6	--	--
C.V.%	9.5	0	2.8	4.5	6.4	8.1	22.8	--	--
LSD 5%	NS	NS	NS	NS	5.2	5.8	NS	--	--
LSD 10%	NS	NS	NS	NS	4.3	4.9	NS	--	--

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

****The 2021 trial sustained extreme heat and moisture stress. Data from this trial may be unreliable and should be viewed with caution. 2 and 3 year average yields do not include 2021 data.**

NS = no statistical difference between varieties.

Planted on May 6 with a seeding rate of 1.5 million PLS/A and harvested on August 12.

Previous Crop: 2018 = soybean, 2019 = Barley, 2020 = soybean

Tillage: minimum till

Soil Type: Gardena silt loam