

2021 Barley Variety Trial at Minot

North Central Research Extension Center

Variety	Days to Head DAP ¹	Plant Height inches	Lodging 0-9 ²	% Plump >6/64	Test Weight lbs/bu	Protein %	Grain Yield				
							2019	2020	2021* bu/A	2* Year	3* Year
2 Row Types											
ND Genesis	66	17	0	95	45.8	13.2	109.6	119.3	37.6	114.5	109.0
AAC Synergy	69	16	0	96	46.0	15.4	106.6	113.3	36.7	110.0	107.9
Pinnacle	65	17	0	97	48.1	12.5	110.8	107.5	41.4	109.2	106.8
Explorer	71	15	0	96	46.5	15.9	110.1	107.2	27.7	108.7	106.8
Conlon	66	14	0	96	45.4	15.6	105.5	83.7	30.4	94.6	90.5
AAC Connect	71	16	0	93	46.0	18.0	114.7	109.2	20.6	111.9	
ABI Cardinal	66	14	0	96	47.6	15.4	--	--	--	--	--
Brewski	71	16	0	96	43.6	14.8	--	--	--	--	--
CDC Bow	72	15	0	97	47.1	14.7	--	--	--	--	--
CDC Fraser	73	15	0	96	45.1	15.2	--	--	--	--	--
BC Ellinor	71	13	0	95	47.6	16.2	--	--	--	--	--
BC Leandra	75	12	0	97	46.4	14.7	--	--	--	--	--
BC Lexy	72	14	0	96	47.4	15.7	--	--	--	--	--
CDC Churchill	71	15	0	96	47.3	14.7	--	--	--	--	--
AB Advantage	63	18	0	95	43.7	13.2	--	--	--	--	--
CDC Austenson	70	14	0	93	46.4	14.8	--	--	--	--	--
Esmā	69	14	0	96	48.9	13.8	--	--	--	--	--
6 Row Types											
Tradition	61	15	0	89	46.1	14.5	--	--	--	--	--
Trial Mean	68	15	0	95	46.4	14.7	105.6	108.9	30.2	--	--
C.V.%	2.1	14.9	0	2.0	3.7	8.7	5.5	6.1	24.2	--	--
LSD 5%	3	NS	NS	4	NS	2.6	9.8	11.0	14.6	--	--
LSD 10%	2	NS	NS	3	NS	2.1	8.1	9.2	12.3	--	--

¹ DAP = Days after planting.

² Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on April 29 with a seeding rate of 800,000 PLS/A and harvested on August 13.

Previous Crop: 2018 & 2019 = soybean, 2020 = chickpea.

Tillage: No-till

Soil Type: Williams Loam

***Note: The 2021 trial sustained extreme heat and moisture stress. This data is unreliable and should be viewed with caution. 2 and 3 year average yields do not include 2021 data.**