

## 2021 Barley Variety Trial at Minot

Variety	Days to Head	Plant Height	Lodging	% Plump	Test Weight	Protein	Grain Yield				
							2019	2020	2021*	2*	3*
	DAP <sup>1</sup>	inches	0-9 <sup>2</sup>	>6/64	lbs/bu	%	-----bu/A-----				
<b>2 Row Types</b>											
ND Genesis	66	17	0	95	45.8	13.2	109.6	119.3	<b>37.6</b>	114.5	109.0
AAC Synergy	69	16	0	96	46.0	15.4	106.6	113.3	<b>36.7</b>	110.0	107.9
Pinnacle	65	17	0	97	48.1	12.5	110.8	107.5	<b>41.4</b>	109.2	106.8
Explorer	71	15	0	96	46.5	15.9	110.1	107.2	<b>27.7</b>	108.7	106.8
Conlon	66	14	0	96	45.4	15.6	105.5	83.7	<b>30.4</b>	94.6	90.5
AAC Connect	71	16	0	93	46.0	18.0	114.7	109.2	<b>20.6</b>	111.9	--
ABI Cardinal	66	14	0	96	47.6	15.4	107.5	105.4	<b>29.8</b>	106.4	--
Brewski	71	16	0	96	43.6	14.8	--	123.7	<b>35.6</b>	--	--
CDC Bow	72	15	0	97	47.1	14.7	--	110.7	<b>36.6</b>	--	--
CDC Fraser	73	15	0	96	45.1	15.2	--	--	<b>34.7</b>	--	--
BC Ellinor	71	13	0	95	47.6	16.2	--	--	<b>18.0</b>	--	--
BC Leandra	75	12	0	97	46.4	14.7	--	--	<b>35.9</b>	--	--
BC Lexy	72	14	0	96	47.4	15.7	--	--	<b>25.1</b>	--	--
CDC Churchill	71	15	0	96	47.3	14.7	--	--	<b>36.0</b>	--	--
AB Advantage	63	18	0	95	43.7	13.2	--	--	<b>28.5</b>	--	--
CDC Austenson	70	14	0	93	46.4	14.8	--	--	<b>33.1</b>	--	--
Esmā	69	14	0	96	48.9	13.8	--	--	<b>37.5</b>	--	--
<b>6 Row Types</b>											
Tradition	61	15	0	89	46.1	14.5	98.6	100.4	<b>31.9</b>	99.5	101.7
Trial Mean	68	15	0	95	46.4	14.7	105.6	108.9	<b>30.2</b>	--	--
C.V.%	2.1	14.9	0	2.0	3.7	8.7	5.5	6.1	<b>24.2</b>	--	--
LSD 5%	3	NS	NS	4	NS	2.6	9.8	11.0	<b>14.6</b>	--	--
LSD 10%	2	NS	NS	3	NS	2.1	8.1	9.2	<b>12.3</b>	--	--

<sup>1</sup> DAP = Days after planting.<sup>2</sup> 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 &amp; 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.**