

**2018 Barley Variety Trial**

**North Central Research Extension Center, Minot**

Variety	Days to Head DAP <sup>1</sup>	Plant Height inches	Lodging 0-9 <sup>2</sup>	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
								2016	2017	2018	Year 2	Year 3
<b>6 Row Types</b>												
Quest	51	29	3	86	1	46.1	15.1	101.1	74.4	90.4	82.4	88.6
Tradition	49	30	2	90	1	46.0	14.3	89.0	68.6	106.2	87.4	87.9
Innovation	49	28	2	94	1	47.3	14.8	94.0	60.3	97.1	78.7	83.8
Stellar-ND	49	28	1	94	1	44.8	14.2	96.0	62.2	91.3	76.8	83.2
Celebration	49	28	6	90	1	44.7	16.0	92.4	60.0	95.2	77.6	82.5
Lacey	49	29	1	94	1	47.0	15.0	84.8	64.0	98.2	81.1	82.3
<b>2 Row Types</b>												
Sirish	60	23	0	92	1	48.0	14.7	118.4	77.7	106.8	92.3	101.0
AAC Synergy	59	31	1	93	1	48.5	14.1	114.5	69.2	103.8	86.5	95.8
CDC Meredith	60	29	2	88	2	46.6	14.9	110.2	73.7	103.0	88.3	95.6
ND Genesis	56	31	1	93	1	48.0	12.8	110.4	77.6	98.0	87.8	95.3
LCS Genie	61	27	5	82	2	46.6	14.2	107.5	82.7	95.1	88.9	95.1
ABI Balster	60	27	0	81	2	45.9	14.9	108.6	79.6	93.8	86.7	94.0
Pinnacle	52	29	2	96	1	48.4	13.0	104.7	72.4	102.1	87.3	93.1
ABI Growler	60	29	2	77	3	44.9	15.7	103.8	70.8	91.6	81.2	88.7
Conlon	48	27	4	96	1	50.7	14.0	93.5	72.0	82.2	77.1	82.6
Explorer	59	26	1	91	1	46.6	14.3		72.6	103.1	87.8	
Trial Mean	53	28	2	90	1	46.7	14.1	103.3	70.8	98.1		
C.V.%	3.5	4.5	81	3.0	41	1.6	3.0	7.4	7.6	5.5	--	--
LSD 5%	3	2	2	5	1	1.2	0.7	12.7	8.8	8.9	--	--
LSD 10%	3	2	2	4	1	1.0	0.6	10.6	7.4	7.4	--	--

<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 May 3 with a seeding rate of 1 million PLS/A and harvested on August 13.

Previous Crop: 2015 = soybean, 2016 = canola, 2017 = soybean.

Tillage: No-till

Soil Type: Williams Loam