

**NDSU North Central Research Extension Center, Minot
2017 Barley Variety Trial at Minot**

Variety	Days to Head DAP ¹	Plant Height inches	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
							2015	2016	2017	----Average----	
							Year	Year	Year	2	3
							-----bu/A-----				
6 Row Types											
Quest	64	26	79	1	48.7	14.0	74.7	101.1	74.4	87.7	83.4
Innovation	64	23	88	0	48.4	13.1	86.7	94.0	60.3	77.2	80.3
Celebration	65	24	83	1	46.2	12.9	84.1	92.4	60.0	76.2	78.8
Lacey	63	24	86	1	48.7	13.3	87.0	84.8	64.0	74.4	78.6
Stellar-ND	64	23	88	0	47.4	13.1	75.6	96.0	62.2	79.1	77.9
Tradition	65	26	88	0	48.6	13.0	73.3	89.0	68.6	78.8	77.0
2 Row Types											
ND Genesis	69	24	97	0	49.4	11.3	108.8	110.4	77.6	94.0	98.9
CDC Meredith	73	21	88	1	46.5	12.9	96.5	110.2	73.7	92.0	93.5
Conlon	63	23	96	0	49.3	12.9	95.0	93.5	72.0	82.7	86.8
Pinnacle	65	22	97	0	50.2	12.0	79.6	104.7	72.4	88.5	85.6
LCS Odyssey	74	22	95	0	47.3	11.9	--	126.1	71.3	98.7	--
Sirish	73	20	90	1	48.0	13.1	--	118.4	77.7	98.1	--
LCS Genie	76	22	94	0	49.2	11.9	--	107.5	82.7	95.1	--
ABI Balster	75	24	93	0	48.6	12.7	--	108.6	79.6	94.1	--
AAC Synergy	76	22	96	0	48.2	12.9	--	114.5	69.2	91.8	--
ABI Growler	76	22	94	0	46.7	13.1	--	103.8	70.8	87.3	--
Explorer	67	20	88	0	49.1	12.6	--	--	72.6	--	--
Trial Mean	67	23	91	1	48.4	12.6	86.5	103.3	70.8	--	--
C.V.%	3.8	5.1	2.7	81	1.6	5.7	5.7	7.4	7.6	--	--
LSD 5%	4	2	4	NS	1.2	1.2	7.0	12.7	8.8	--	--
LSD 10%	3	2	3	NS	1.0	1.0	5.8	10.6	7.4	--	--

¹ DAP = Days after planting. ² Lodging: 0 = none, 9 = lying flat on the ground.
NS = no statistical difference between varieties.

Planted on April 22 with a seeding rate of 1 million PLS/A and harvested on July 31.
Previous Crop: 2014 = flax, 2015 = soybean, 2016 = canola.
Tillage: Transitional no-till (2nd year)
Soil Type: Williams Loam