

**NDSU Carrington Research Extension Center
2017 Variety Trial Data**

Barley - Irrigated	Carrington
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Variety	Days to Head	Plant Lodge 0 to 9	Plant Height inch	Plump >6/64 %	Thin <5/64 %	-- Grain Protein --		Test Weight lb/bu	----- Grain Yield -----		
						2017 ----- %	3-yr. Avg. ² -----		2017 -----	2-yr. Avg. ¹ bu/ac	3-yr. Avg. ² -----
Six Row											
Lacey	55.8	3.3	40.5	92.5	0.8	14.6	14.6	48.8	123.6	116.0	117.3
Tradition	57.5	2.8	40.1	92.0	0.7	14.1	14.3	48.7	126.0	121.5	119.2
Stellar-ND	56.8	2.3	37.9	95.5	0.7	14.0	14.1	47.2	120.8	114.0	116.8
Celebration	58.3	2.8	39.4	93.4	0.8	15.5	15.3	47.8	121.9	113.6	117.4
Quest	56.0	2.3	40.0	87.1	1.2	14.2	14.1	47.6	116.1	110.3	110.9
Innovation	55.0	2.8	40.0	89.4	0.9	13.9	14.4	47.6	119.5	116.8	118.5
Two Row											
Conlon	47.0	4.0	40.0	94.9	0.9	13.5	13.2	49.8	116.8	102.6	106.1
Pinnacle	58.0	2.5	39.8	95.1	0.9	11.8	12.1	48.6	117.3	103.1	108.5
CDC Meredith	61.5	4.5	39.2	90.5	1.4	12.3	--	47.0	116.5	106.1	--
ND Genesis	57.0	2.8	40.1	95.9	0.5	11.7	11.8	49.0	133.8	122.4	119.9
AAC Synergy	62.0	4.3	37.9	93.0	1.2	12.5	--	49.0	134.9	--	--
Sirish	62.8	3.5	34.3	88.6	1.4	12.7	--	46.2	112.3	--	--
ABI Balster	60.0	3.3	37.8	90.1	1.9	12.8	--	47.9	120.7	--	--
ABI Growler	59.0	3.3	38.4	90.9	1.4	12.2	--	46.8	123.2	--	--
LCS Genie	63.5	3.8	36.4	89.3	1.6	11.6	--	46.9	96.9	--	--
LCS Odyssey	64.5	4.0	35.5	93.5	1.1	11.6	--	45.9	108.7	--	--
Explorer	59.0	2.3	34.1	91.0	1.5	11.8	--	46.6	121.3	--	--
MEAN	57.2	2.8	38.0	91.9	1.2	12.8	--	47.7	121.5	--	--
C.V. (%)	2.1	40.5	5.5	2.5	35.7	4.6	--	1.2	7.5	--	--
LSD 0.10	1.4	1.3	2.4	3.1	0.6	0.7	--	0.8	12.5	--	--
LSD 0.05	1.7	1.6	2.9	3.7	0.7	0.8	--	0.9	14.9	--	--

Planting Date = May 1; Harvest Date = August 8; Previous Crop = Soybean

** Barley seeding rate used in this trial was 1,100,000 pure live seeds acre⁻¹.

¹ Two-year average is for 2015 and 2017 as 2016 trial experienced significant hail.

² Three-year average is for 2014, 2015 and 2017 as 2016 trial experienced significant hail.