

**NDSU Carrington Research Extension Center
2019 Variety Trial Data**

Barley - Dryland	Carrington
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Variety	Days to Head	Plant Lodge 0 to 9	Plant Height inch	Stem Breakage ¹ 1 to 10	Plump >6/64 %	Thin <5/64 %	--- Grain Protein ---		----- Grain Yield -----			
							2019 ----- % -----	3-yr. Avg. -----	Test Weight lb/bu	2019 -----	2-yr. Avg. bu/ac	3-yr. Avg. -----
Two Row												
Conlon	52.3	7.3	26.0	7.0	83.3	1.7	11.0	11.9	44.3	50.2	76.8	80.0
Pinnacle	54.8	5.0	28.1	4.5	72.4	3.9	10.7	11.0	39.4	49.6	66.6	78.2
ND Genesis	59.8	4.3	26.3	3.3	78.3	2.0	11.1	11.5	41.4	50.9	70.3	81.3
AAC Synergy	59.8	1.5	25.6	1.5	90.9	1.0	10.1	11.5	43.1	60.0	86.6	96.9
ABI Balster	61.5	3.5	26.7	2.8	81.0	2.6	11.5	12.1	41.5	55.5	80.0	90.2
Explorer	57.3	3.0	23.0	3.8	75.4	3.2	11.0	11.7	39.5	48.9	75.2	85.5
AAC Connect	57.5	0.3	27.1	0.3	80.4	2.2	10.8	--	43.4	64.6	--	--
CDC Bow	61.5	1.0	28.1	0.8	94.2	0.8	10.6	--	44.1	51.4	--	--
CDC Fraser	59.5	1.0	27.5	1.3	83.9	1.9	10.9	--	41.6	61.9	--	--
Lowe	63.3	2.5	32.5	2.5	81.9	1.2	12.3	12.2	44.2	58.8	86.0	92.1
Six Row												
Tradition	53.0	0.0	29.8	0.0	79.2	1.4	10.9	11.8	42.1	82.3	94.6	96.2
Lacey	54.0	0.3	27.8	0.5	83.4	1.0	12.1	12.2	43.4	76.5	93.3	95.0
MEAN	56.4	1.8	26.8	1.8	83.1	1.7	10.7	--	42.3	61.5	--	--
C.V. (%)	1.9	71.7	8.3	55.7	6.1	32.7	7.0	--	2.1	14.0	--	--
LSD 0.10	1.2	1.5	2.6	1.2	6.0	0.7	0.9	--	1.1	10.2	--	--
LSD 0.05	1.5	1.8	3.1	1.4	7.1	0.8	1.0	--	1.3	12.2	--	--

Planting Date = May 10; Harvest Date = August 7; Previous Crop = Flax

¹ Stem breakage, assessment of stems that are intact but result in exposing heads to lower reaches of the canopy. Scored 1 to 10 where 1 = no breakage to 10 = significant breakage.

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