

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Barley Dryland Variety Trial - NDSU

WREC, Williston, ND 2017

Variety	Plant Height (in)	Heading Date DAP*	Protein [†] (%)	Test weight [‡] (lb/bu)	Plump % >6/64	Yield [#]		
						2017 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg* (bu/a)
Two Row								
Pinnacle	19.4	66	16.0	46.5	68.3	52.4	67.8	65.6
Hockett	18.9	73	16.4	46.5	68.5	62.7	69.8	63.5
ND Genesis	20.7	65	14.7	45.8	70.6	59.1	68.1	59.5
CDC Meredith	21.1	58	17.3	40.9	26.6	50.4	66.2	59.3
Conlon	20.9	61	16.0	48.9	89.5	44.2	57.8	50.5
LCS Genie	18.9	66	16.0	45.7	51.1	61.6	71.7	-
AAC Synergy	19.6	68	16.8	43.0	58.6	57.3	69.5	-
LCS Odyssey	18.0	70	17.0	46.3	53.3	59.1	67.5	-
Sirish	19.7	63	17.4	45.9	52.4	55.8	67.0	-
ABI Balster	19.0	63	17.0	42.7	43.4	57.2	66.8	-
ABI Growler	18.8	63	17.8	41.2	37.4	53.2	64.2	-
Explorer	19.7	74	16.1	46.2	68.8	57.3	-	-
Six Row								
Celebration	20.2	65	16.9	44.4	53.4	60.0	73.6	62.2
Tradition	18.8	59	15.7	46.8	68.5	56.3	67.1	60.9
Lacey	19.2	66	17.1	44.2	57.3	56.9	67.2	59.0
Stellar-ND	18.9	67	16.7	44.4	67.6	59.2	62.9	58.2
Quest	18.8	58	16.5	46.2	62.7	48.4	62.5	57.9
Innovation	18.4	63	17.2	45.3	67.9	53.8	63.8	57.9
Mean	19.4	64.9	16.6	45.1	59.2	55.8	-	-
CV (%)	8.0	11.7	1.3	3.0	16.8	10.2	-	-
LSD (5%)	2.5	12.3	1.0	0.8	17.4	9.6	-	-
LSD (10%)	2.1	10.3	0.8	0.7	14.5	8.0	-	-

Location: WREC; Latitude 48° 8' N; Longitude 103° 44' W; Elevation 2105 ft

Previous crop: Peas

Planted: 4-21-2017

Harvested: 8-2-2017

Soil test (0-6"): P=17 ppm; K=380 ppm; pH=5.8; OM=2.5%
(0-24"): NO₃-N=27 lb/a

Soil type: Williams-Bowbells loam

Applied fertilizers in lb/a: N=29; P₂O₅=18; K₂O=0; S=5

DAP* = Days after planting (Drought stress contributed to high variability in DAP.)

[†]Protein adjusted to 0% moisture

[‡]Test weight reported on a 13.5% moisture basis

[#]Yield reported on a 13.5% moisture basis

Chemical Applications: Valor/LV6 @ 1 qt/ac and 3 oz/ac (10-17-2016); Axial Star/Supremacy @ 16oz/ac and 6 oz/ac

DAP* = Days after planting