

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Barley Dryland Variety Trial - NDSU

WREC, Williston, ND 2016

Variety	Plant Height (in)	Heading Date DAP*	Protein [†] (%)	Test weight [‡] (lb/bu)	Plump % >6/64	Yield [#]		
						2016	2-Yr Avg	3-Yr Avg*
						(bu/a)	(bu/a)	(bu/a)
Two Row								
Pinnacle	22	45	13.8	50.6	88.5	83.3	72.2	71.8
Rawson	24	43	14.0	50.8	92.9	83.0	62.5	66.7
Hockett	23	47	16.1	50.2	67.6	77.0	63.9	66.1
ND Genesis	23	45	14.2	49.8	91.4	77.1	59.8	62.8
Conlon	23	43	16.0	49.5	89.5	71.4	53.7	61.9
CDC Meredith	22	53	15.7	48.3	66.5	82.1	63.8	-
LCS Genie	20	54	15.6	50.3	73.7	81.9	-	-
AAC Synergy	24	48	15.1	48.9	76.9	81.8	-	-
Voyager	23	51	15.7	47.9	74.3	81.8	-	-
SY Sirish	20	50	16.1	49.9	71.0	78.1	-	-
ABI Balster	22	48	17.2	47.1	52.8	76.3	-	-
LCS Odyssey	21	53	15.9	49.5	79.3	75.9	-	-
ABI Growler	22	51	16.7	49.2	74.8	75.2	-	-
Six Row								
Celebration	26	45	15.6	48.6	75.8	87.1	63.2	68.1
Tradition	24	44	15.7	48.6	66.7	77.9	63.3	68.0
Quest	24	44	16.1	49.2	76.3	76.7	62.7	66.6
Lacey	26	44	15.9	48.6	73.9	77.6	60.1	63.7
Innovation	22	43	16.4	47.4	73.3	73.9	59.9	61.5
Stellar-ND	25	43	17.3	47.8	67.0	66.6	57.7	58.5
Mean	23.1	46.9	15.6	48.9	76.9	79.2	-	-
CV (%)	6.2	3.4	4.4	1.7	8.7	6.6	-	-
LSD (5%)	2.0	2.3	1.0	1.2	9.3	7.4	-	-
LSD (10%)	1.7	1.9	0.8	1.0	7.8	6.2	-	-

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

Previous crop: Safflower

Planted: 4-22-2016

Harvested: 8-2-2016

Soil test (0-6"): P=27 ppm; K=226 ppm; pH=6.6; OM=2.5%
(0-24"): NO3-N=24 lb/a

Soil type: Williams-Bowbells loam

Applied fertilizers in lb/a: N=66; P₂O₅=45; K₂O=0; S=5

DAP* = Days after planting

[†]Protein adjusted to 0% moisture

[‡]Test Weight = Reported on a 13.5% moisture basis

[#]Yield = Reported on a 13.5% moisture basis

Chemical Applications: Sharpen @ 2 oz/acre (4-20-16) and Supremacy/Axial @ 5 oz/ac and 16 oz/ac (6-3-2016)