

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Barley McKenzie Variety Trial - NDSU

Variety	Protein [†] (%)	Test weight [‡] (lb/bu)	Plump % >6/64	Yield [#]	
				2016 (bu/a)	2017 (bu/a)
Two Row					
ND Genesis	14.9	45.3	29.4	97.1	43.4
Pinnacle	14.9	45.2	36.3	96.4	34.4
Hockett	14.9	50.7	76.0	87.5	40.2
Conlon	14.3	47.1	64.1	88.0	31.9
AAC Synergy	16.4	45.8	42.7	-	43.1
ABI Growler	16.1	44.4	43.4	-	36.9
Six Row					
Innovation	14.2	46.7	30.1	87.1	48.5
Lacey	13.6	47.8	26.0	88.8	44.7
Celebration	15.3	45.2	31.4	89.9	37.0
Tradition	13.4	47.8	44.8	82.9	43.9
Mean	14.8	46.6	42.4	89.7	40.4
CV (%)	16.7	4.1	39.6	4.7	24.8
LSD (5%)	NS	3.3	28.8	7.3	NS
LSD (10%)	NS	2.7	23.8	6.0	14.2

Location: Arnegard; Latitude 47° 48' N; Longitude 103° 25' W

Planted: 5/12/2017

Harvested: 8/23/2017

Previous crop: Durum

Soil type: Dooley-Zahl complex

Soil test (0-6"): P=7 ppm; K=216 ppm; OM=2.6%, pH = 7.7

(0-24"): NO₃-N=20 lb/a

Applied fertilizer in lb/a: 51.37 N : 21.2 P : 0 K : 5.3 S Broadcasted

[†]Protein adjusted to 0% moisture

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

[#]Yield reported on a 13.5% moisture basis