

Barley McKenzie Variety Trial - NDSU

McKenzie County, ND 2016

Variety	Protein [†] (%)	Test weight ^{††} (lb/bu)	Plump % >6/64	Yield [#]	
				2016 (bu/a)	2-Yr Avg (bu/a)
Two Row					
Pinnacle	12.1	54.2	92.2	96.4	65.9
Hockett	12.8	54.7	91.5	87.5	62.4
Conlon	13.5	55.1	96.0	88.0	60.5
ND Genesis	12.1	53.9	91.8	97.1	48.5
Six Row					
Celebration	12.9	52.1	88.6	89.9	69.1
Lacey	12.2	52.6	89.1	88.8	64.7
Innovation	11.8	51.5	92.8	87.1	62.4
Tradition	11.9	52.0	86.7	82.9	62.1
Mean	12.4	53.3	91.1	89.7	-
CV (%)	4.7	0.7	2.0	4.7	-
LSD (5%)	1.0	0.6	3.1	7.3	-
LSD (10%)	0.8	0.5	2.6	6.0	-

Location: Arnegard, ND; Latitude 47° 47'N; Longitude 103° 25'W; Elevation 2250 ft

Previous crop: Lentil

Planted: 5/9/2016

Harvested: 8/23/2016

Soil test (0-6"): P=7 ppm; K=235 ppm; pH=7.1; OM=4.2%
(0-24"): NO3-N=4 lb/a

Soil type: Williams-Belfield-Grail

Applied fertilizers in lb/a: N=68; P₂O₅=21; K₂O=0; S=5

[†]Protein adjusted to 0% moisture

^{††}Test Weight = Reported on a 13.5% moisture basis

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

*Moisture stress caused low yields in 2015, contributing to a low 2 yr. avg.