

Barley Golden Valley Variety Trial - NDSU

Golden Valley County, ND 2016

Variety	Protein [†] (%)	Test weight (lb/bu)	Plump % >6/64	Yield		
				2016 (bu/a)	2-Yr Avg (bu/a)	3-Yr Avg* (bu/a)
Two Row						
Hockett	11.4	55.0	96.0	80.5	77.2	-
Pinnacle	10.7	53.1	97.3	70.4	66.2	74.32
ND Genesis	12.1	51.5	94.6	70.3	-	-
Conlon	11.7	53.0	98.3	66.8	62.8	66.1
Six Row						
Innovation	11.9	50.2	95.4	58.3	66.4	81.65
Tradition	9.7	51.4	93.0	65.5	69.6	81.36
Celebration	10.7	51.2	90.7	71.5	69.1	75.65
Lacey	10.1	51.5	90.9	72	69.1	78.8
Mean	11.1	52.1	94.5	69.4	-	-
CV (%)	6.2	1.1	28.7	12.1	-	-
LSD (5%)	1.2	1.0	2.6	14.7	-	-
LSD (10%)	1.0	0.8	2.2	12.2	-	-

Location: Latitude 46° 50'N; Longitude 103° 59'W; Elevation 2890 ft

Previous crop: lentil

Planted: 5-17-2016

Harvested: 08-31-2016

Soil test (0-6"): P=7 ppm; K=202 ppm; pH=7.9; OM=2.5%
(0-24"): NO3-N=35 lb/a

Soil type: Grail-Grassna complex

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

Chemical Applications: Sharpen @ 2 oz/acre and Supremacy/Axial @ 5 oz/ac and 16 oz/ac

[†]Protein adjusted to 0% moisture

*Average of years 2013, 2014, and 2016