

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Barley Dryland Varietal Trial-NDSU: Mountrail County, ND

2015

Cultivar	Lodging (0-9 Scale)	Plump % >6/64	Yield [‡]			Test weight [‡]		Protein ¹		
			2015	2 yr* (bu/a)	3 yr*	2015 (lb/bu)	2015	2 yr* (%)	3 yr*	
Two Row										
Conrad	2	95.7	70.5	74.5	75.2	46.4	8.8	11.1	11.4	
Pinnacle	3	96.9	66.9	73.9	71.6	46.6	7.7	10.5	10.8	
Conlon	4	98.5	52.3	66.6	64.1	47.2	10.9	11.9	12.2	
ND Genesis (2ND25276)	2	96.2	70.9	70.9	-	45.5	9.7	9.7	-	
Hockett	2	94.7	68.3	68.3	-	47.5	10.0	10.0	-	
Six Row										
Innovation (6B03-4478)	1	95.7	62.0	75.1	75.1	45.1	10.6	11.9	12.2	
Lacey	3	92.8	64.8	76.5	71.8	46.3	10.6	11.9	12.3	
Tradition	1	94.5	67.1	69.2	67.6	46.1	11.3	12.5	12.9	
Celebration (6B01-2218)	1	91.8	63.1	68.5	67.3	45.4	10.7	11.6	12.1	
Mean	2	94	65.1	-	-	46.1	10.6	-	-	
CV (%)	41.4	1.7	14.8	-	-	1.9	12.3	-	-	
LSD (5%)	1.5	2.7	-	-	-	-	-	-	-	
LSD (10%)	1.3	2.2	-	-	-	-	-	-	-	

Location of Plots: Latitude 48 9'N; Longitude 102 21'W; Elevation 2291 ft

Previous crop: Flax

Planted: 5/12/2015

Soil type: Williams-Zahl Loam

Harvested: 8/27/2015

[‡]Reported on a 13.5% moisture basis

Applied fertilizers in ppm: 38N :26P2O5 : 0K2O

¹Reported on a 0% moisture basis

Soil test (0-6"): NO₃-N=21lb/a; P=10 ppm; K=334 ppm; pH=7.3; OM=4.4 %

(6-24"): NO₃-N=21 lb/a

Chemical Applications: Supremacy @ 5oz/acre, Axial @ 14oz/acre, Tilt @ 3oz/acre (6/16/15)

3yr avg* = average of 2012, 2013, & 2015

2yr avg* = average of 2013, & 2015