

NORTH DAKOTA STATE UNIVERSITY
Williston Research Extension Center

Barley Dryland Varietal Trial-NDSU: McKenzie County, ND

2015

Cultivar	Lodging 0-9 scale	Plump % >6/64	Yield [‡]	Test weight [‡]	Protein ¹
			2015 (bu/a)	2015 (lb/bu)	2015 (%)
Two Row					
Pinnacle	5	88.1	45.7	46.6	12.8
Conrad	2	76.1	41.5	46.2	17.2
Hockett	2	84.5	37.3	48.5	15.9
ND Genesis (2ND25276)	2	84.4	35.5	44.3	14.7
Conlon	8	93.7	33.1	46.5	15.6
Six Row					
Celebration (6B01-2218)	5	82	48.3	45.3	16.7
Tradition	3	89.6	41.4	46.9	15.0
Innovation (6B03-4478)	2	91.1	37.8	45.3	15.1
Lacey	3	67.5	40.7	46.5	15.7
Mean	4	83.7	39.2	46.2	15.6
CV (%)	65.9	10.8	14.3	2.6	6.2
LSD (5%)	-	-	-	2.1	1.6
LSD (10%)	-	-	-	1.7	1.3

Location of the McKenzie Offstation Plots: Latitude 47 48'; Longitude 103 25'W; Elevation 2265 ft Previous crop: Flax

Planted: 4/30/2015

Soil type: Dooley-Zahl complex

Harvested: 8/13/2015

[‡]Reported on a 13.5% moisture basis

Applied fertilizers in lb/a: 10N :47P2O5 : 0K2O

¹Reported on a 0% moisture basis

Soil test (0-6"): NO₃-N=16lb/a; P=7 ppm; K=190 ppm; pH=7.4; OM=2.4 %

(6-24"): NO₃-N=24 lb/a

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

2 yr and 3 yr averages not available