

**2014 Barley Variety Trial**

**North Central Research Extension Center—Minot**

Variety	Days to Head DAP <sup>1</sup>	Plant Height inches	Lodging 0-9 <sup>2</sup>	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
								2011	2013	2014	2	3
								bu/A				
<b>6 Row Types</b>												
Quest	52	38	1	96	0.9	45.0	12.6	59.5	71.2	99.5	85.4	76.7
Lacey	52	36	1	98	0.8	46.7	14.0	60.2	73.6	93.2	83.4	75.7
Innovation	51	35	0	98	0.6	45.3	13.8	47.8	85.8	90.2	88.0	74.6
Stellar-ND	52	37	0	98	0.8	44.9	13.8	43.2	75.7	97.5	86.6	72.1
Celebration	52	37	1	99	0.8	48.1	15.2	52.3	66.9	96.7	81.8	72.0
Tradition	51	37	0	98	0.6	46.7	13.8	55.6	68.3	87.9	78.1	70.6
<b>2 Row Types</b>												
Genesis	56	38	0	98	0.6	46.5	11.0	68.0	77.7	101.0	89.4	82.2
CDC Copeland	57	42	2	98	0.8	46.5	11.7	46.7	81.4	100.7	91.1	76.3
Pinnacle	54	39	0	98	1.0	45.0	10.9	44.1	73.5	94.4	83.9	70.7
Conlon	51	35	0	99	0.6	49.8	12.5	49.8	62.3	93.7	78.0	68.6
Conrad	58	35	0	96	1.1	46.6	13.1	43.0	71.8	90.5	81.2	68.4
AC Metcalfe	57	38	1	97	0.9	46.7	12.8	45.7	69.7	88.2	79.0	67.9
Rawson	51	36	1	98	0.8	46.7	12.7	43.8	62.8	89.3	76.1	65.3
Trial Mean	53	37	0	98	1.0	46.5	12.9	48.4	77.4	97.1	--	--
C.V.%	1.7	5.8	190	1.4	49	2.8	5.3	8.3	6.2	5.7	--	--
LSD 10%	1	3	NS	2	NS	1.5	0.8	8.0	5.7	6.5	--	--

<sup>1</sup> DAP = Days after planting. <sup>2</sup> Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on May 16 with a seeding rate of 1 million PLS/A and harvested on August 29.

Previous Crop: 2010 = summer fallow, 2012 = field pea 2013 = soybean.

Soil Type: Williams Loam

Note: 2012 trial data not reported due to severe herbicide injury.

**2014 Barley Variety Trial at Mohall**

Cooperators: Dean Schoenberg and the Renville/Bottineau Ag Improvement Association

Variety	Plant Height inches	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield		
						2013	2014	2 yr avg
bushels per acre								
<b>6 Row</b>								
Innovation	31	98	0	48.9	13.3	62.7	69.9	66.3
Quest	34	98	0	47.3	13.0	56.5	69.3	62.9
Lacey	32	98	0	49.5	13.0	58.6	66.1	62.4
Tradition	31	98	0	48.8	13.1	54.3	70.2	62.2
Celebration	30	98	0	48.1	13.5	58.0	62.2	60.1
Stellar-ND	31	99	0	48.1	12.5	55.3	63.1	59.2
<b>2 Row</b>								
Genesis	32	98	0	47.8	10.8	--	71.1	--
Conlon	31	99	0	50.2	12.5	54.6	61.1	57.9
Pinnacle	31	98	0	48.9	11.3	38.2	77.3	57.7
Trial Mean	31	98	0	48.5	12.5	55.2	68.5	--
C.V.%	5.1	0.8	--	1.3	2.5	6.6	3.9	--
LSD 10%	2	NS	NS	0.7	0.4	4.6	3.2	--

NS = no statistical difference between varieties.

Planting Date: May 28

Planting Rate: 1 million PLS/A

Harvest Date: September 12

Previous Crop: 2012 = Winter wheat, 2013 = canola.

Soil Type: Barnes loam