

Barley Variety Trial at Mohall

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

Variety	Plant Height inches	Lodging 0-9*	Plump >6/64	Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
							2014	2015	2016	----Average----	
							2014	2015	2016	2 Year	3 Year
							-----bu/A-----				
6 Row Types											
Tradition	33	2	93	1	48.7	13.0	70.2	79.3	83.9	81.6	77.8
Lacey	34	3	95	0	50.5	13.6	66.1	70.1	71.4	70.7	69.2
2 Row Types											
ND Genesis	34	2	97	0	49.7	11.7	71.1	78.4	96.4	87.4	82.0
Pinnacle	33	3	96	0	49.9	11.5	77.3	84.3	84.0	84.2	81.9
Conlon	31	4	97	0	51.5	13.3	61.1	79.2	76.3	77.7	72.2
CDC Meredith	34	4	93	1	49.4	11.8	--	--	81.6	--	--
Trial Mean	33	3	95	0	49.9	12.5	68.5	78.4	82.3	--	--
C.V.%	3.9	31	1.4	96	1.4	3.0	3.9	6.2	6.4	--	--
LSD 5%	NS	1	2	NS	1.1	0.6	3.9	6.2	7.8	--	--
LSD 10%	2	1	2	NS	0.9	0.5	3.1	4.9	6.5	--	--

*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on April 27 with a seeding rate of 1 million PLS/A and harvested on August 16.

Previous Crop: 2013 = canola, 2014 = oat, 2015 = sunflower.

Soil Type: Barnes loam

Tillage: Minimum Till

Barley Variety Trial at Rugby

Cooperators: Dave Teigen and the Pierce County Crop Improvement Association

Variety	Plant Height inches	Lodging 0-9*	Plump >6/64	Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
							2014	2015	2016	----Average----	
							2014	2015	2016	2 year	3 year
							-----bu/A-----				
6 Row Types											
Tradition	35	4	88	1	48.2	13.6	43.4	87.4	95.8	91.6	75.5
Lacey	34	5	90	1	48.9	13.8	45.8	77.9	87.0	82.4	70.2
2 Row Types											
Pinnacle	34	6	92	1	46.8	12.0	56.2	96.4	84.0	90.2	78.9
ND Genesis	36	3	94	0	48.6	11.3	49.4	80.0	88.1	84.0	72.5
Conlon	32	5	95	0	51.1	13.8	--	56.4	79.3	67.8	--
CDC Meredith	32	7	80	1	45.4	14.1	--	--	86.8	--	--
Trial Mean	34	5	90	1	48.2	13.1	51.7	79.6	86.8	--	--
C.V.%	4.8	21	3.4	55	1.6	3.2	7.3	3.5	4.7	--	--
LSD 5%	2	2	5	NS	1.2	0.6	5.7	4.1	6.1	--	--
LSD 10%	2	1	4	NS	1.0	0.5	4.5	3.3	5.0	--	--

*Lodging: 0 = none, 9 = lying flat on the ground.

NS = no statistical difference between varieties.

Planted on April 28 with a seeding rate of 1 million PLS/A and harvested on August 17.

Previous Crop: 2013 = wheat, 2014 = soy, 2015 = wheat.

Soil Type: Gardena silt loam

Tillage: Minimum Till