

## NDSU North Central Research Extension Center

### 2017 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				
							2015	2016	2017	Average 2 yr 3 yr	
<b>6 Row Types</b>											
Tradition	29	0	95	5	45.9	12.1	79.3	83.9	105.6	94.8	89.6
Lacey	29	0	95	5	46.6	11.6	70.1	71.4	92.5	81.9	78.0
<b>2 Row Types</b>											
ND Genesis	27	0	97	3	47.0	10.3	78.4	96.4	107.0	101.7	93.9
CDC Meredith	28	0	88	11	45.2	10.6	--	81.6	107.2	94.4	--
AAC Synergy	28	0	96	4	47.4	10.8	--	--	113.3	--	--
LCS Odyssey	24	0	96	3	46.4	9.7	--	--	110.8	--	--
Trial Mean	27	0	94	5	46.4	10.9	78.4	82.3	106.1	--	--
C.V.%	5.8	0	2.6	42	1.3	5.2	6.2	6.4	5.4	--	--
LSD 5%	2	NS	4	3	0.9	0.8	6.2	7.8	8.6	--	--
LSD 10%	2	NS	3	3	0.7	0.7	4.9	6.5	7.1	--	--

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

NS = no statistical difference between varieties.

Planted on April 30 with a seeding rate of 1 million PLS/A and harvested on August 17.

Previous Crop: 2014 = oat, 2015 = sunflower, 2016 = durum.

Tillage: minimum till

Soil Type: Barnes loam

### 2017 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				
							2015	2016	2017	Average 2 yr 3 yr	
<b>6 Row Types</b>											
Tradition	26	0	89	10	46.1	14.9	87.4	95.8	86.2	91.0	89.8
Lacey	27	0	92	8	46.6	15.2	77.9	87.0	72.5	79.7	79.1
<b>2 Row Types</b>											
ND Genesis	27	0	95	5	46.2	13.4	80.0	88.1	102.0	95.1	90.0
CDC Meredith	27	0	90	9	45.0	15.1	--	86.8	90.6	88.7	--
LCS Odyssey	23	0	97	3	46.6	14.5	--	--	90.2	--	--
AAC Synergy	26	0	95	5	46.5	16.0	--	--	83.9	--	--
Trial Mean	26	0	93	6	46.2	14.8	79.6	86.8	87.5	--	--
C.V.%	4.6	0	2.0	27	1.4	3.4	3.5	4.7	4.4	--	--
LSD 5%	2	NS	3	3	1.2	0.9	4.1	6.1	7.0	--	--
LSD 10%	2	NS	3	3	1.0	0.7	3.3	5.0	5.7	--	--

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

NS = no statistical difference between varieties.

Planted on April 30 with a seeding rate of 1 million PLS/A and harvested on August 17.

Previous Crop: 2014 = soybean, 2015 = wheat, 2016 = field pea.

Tillage System: minimum till

Soil Type: Gardena silt loam