

NDSU North Central Research Extension Center, Minot

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
							-----bu/A-----				
6 Row Types											
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
2 Row Types											
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