

Barley Variety Trial at Minot

Variety	Days		Lodging 0-9 ²	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
	to	Plant						-----Average-----				
	Head	Height						2014	2015	2016	2 year	3 year
DAP ¹	inches	-----bu/A-----										
6 Row Types												
Quest	55	30	3	92	1	49.8	13.5	99.5	74.7	101.1	87.9	91.8
Celebration	57	29	4	95	1	49.2	13.9	96.7	84.1	92.4	88.2	91.1
Innovation	54	28	3	98	0	50.5	13.1	90.2	86.7	94.0	90.4	90.3
Stellar-ND	55	30	4	96	1	48.9	12.9	97.5	75.6	96.0	85.8	89.7
Lacey	55	28	4	96	0	51.1	13.0	93.2	87.0	84.8	85.9	88.3
Tradition	56	27	4	95	0	50.3	13.0	87.9	73.3	89.0	81.2	83.4
2 Row Types												
ND Genesis	60	31	0	98	0	50.5	11.3	101.0	108.8	110.4	109.6	106.7
Conlon	56	25	2	98	1	52.1	13.3	93.7	95.0	93.5	94.2	94.1
Rawson	58	29	1	97	1	50.6	12.7	89.3	96.9	95.8	96.3	94.0
Pinnacle	56	29	1	98	1	51.7	10.9	94.4	79.6	104.7	92.1	92.9
CDC Meredith	63	29	1	95	1	49.2	12.1	--	96.5	110.2	103.3	--
LCS Odyssey	64	24	1	97	1	49.7	11.9	--	--	126.1	--	--
SY Sirish	63	26	1	97	1	50.9	13.0	--	--	118.4	--	--
AAC Synergy	63	30	1	97	1	50.2	12.7	--	--	114.5	--	--
ABI Balster	63	27	1	95	1	50.0	12.7	--	--	108.6	--	--
LCS Genie	64	24	1	96	1	50.6	12.4	--	--	107.5	--	--
ABI Growler	63	30	1	95	1	49.7	13.5	--	--	103.8	--	--
Trial Mean	59	28	2	96	1	50.3	12.7	97.1	86.5	103.3	--	--
C.V.%	2.0	6.8	48	0.9	49	1.0	3.8	5.7	5.7	7.4	--	--
LSD 5%	2	3	1	1	NS	0.8	0.8	6.9	7.0	12.7	--	--
LSD 10%	2	3	1	1	NS	0.7	0.7	5.7	5.8	10.6	--	--

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

NS = no statistical difference between varieties.

Planted on May 3 with a seeding rate of 1 million PLS/A and harvested on August 10.

Previous Crop: 2013 = soybean, 2014 = flax, 2015 = soybean.

Soil Type: Williams Loam

Barley Yield Results from the North Central Region**Combined Means**

Variety	Plant Height inches	Lodging 0-9*	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield					
							-----Average-----					
							2014	2015	2016	2 Year	3 Year	
-----bu/A-----												
6 Row Types												
Tradition	29	2	94	0	49.1	12.1	68.2	78.6	89.7	84.1	78.8	
Lacey	29	3	95	0	49.7	12.3	67.6	77.4	83.7	80.5	76.2	
2 Row Types												
ND Genesis	31	1	97	0	49.6	10.8	68.5	88.1	96.8	92.4	84.4	
Pinnacle	29	2	96	0	49.7	10.8	69.0	89.3	92.8	91.0	83.7	
Conlon	27	3	97	0	51.3	12.7	63.9	64.6	84.5	74.6	71.0	
CDC Meredith	28	3	91	1	47.9	11.5	--	--	94.2	--	--	
# of Trials	5	5	5	5	5	5	5	5	5	10	15	

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