

2014 Barley Variety Trial at Wilton

Cooperator: Rod Binstock, Baldwin

Variety	Plant Height inches	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Grain Protein %	Grain Yield		
						2013	2014	2 yr avg
----- bushels per acre -----								
6 Row Types								
Celebration	34	98	0	48.8	11.9	74.0	84.2	79.1
Innovation	34	99	0	48.6	12.5	73.2	81.7	77.5
Tradition	36	98	0	50.7	13.1	73.4	81.3	77.3
Stellar-ND	33	99	0	47.1	12.4	70.7	81.9	76.3
Lacey	35	99	0	49.9	12.5	66.2	84.6	75.4
Quest	34	95	1	49.1	11.8	63.0	83.8	73.4
2 Row Types								
Genesis	34	98	1	48.4	11.1	--	70.6	--
Pinnacle	33	99	1	50.2	10.3	73.0	73.1	73.1
Conlon	31	98	1	51.1	13.3		46.0	
Trial Mean	34	98	0	49.3	12.0	71.5	77.1	--
C.V.%	3.9	0.6	--	0.8	2.7	5.6	6.0	--
LSD 10%	2	1	NS	0.5	0.4	4.9	5.6	--

NS = no statistical difference between varieties.

Planting Date: April 25

Planting Rate: 1 million PLS/A

Harvest Date: August 28

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

Soil Type: Williams loam

2014 Barley in the North Central Region

Combined Means

Variety	Days to Head DAP ¹	Plant Height inches	Lodging 0-9 ²	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Yield		
								2013	2014	2 Year
----- bushels per acre -----										
6 Row Types										
Innovation	51	31	0	98	0	48.0	12.5	73.9	69.2	71.5
Stellar-ND	52	33	0	98	0	47.2	12.2	67.2	70.0	68.6
Celebration	52	32	1	97	0	48.3	12.9	66.3	70.2	68.3
Quest	52	34	1	94	1	47.4	12.1	63.6	72.6	68.1
Lacey	52	33	1	98	0	48.8	12.5	66.1	67.6	66.9
Tradition	51	33	0	98	0	49.0	12.8	65.3	68.2	66.8
2 Row Types										
Pinnacle	54	33	0	98	1	48.5	10.7	61.6	69.0	65.3
Conlon	51	30	0	98	0	50.6	12.4	58.4	63.9	61.2
# of Locations	1	5	1	5	5	5	5	3	5	8

¹ DAP = Days after planting.

² Lodging: 0 = none, 9 = lying flat on the ground.

Locations: 2014 = Minot, Mohall, Rugby, Garrison, Wilton. 2013 = Minot, Mohall, Wilton.