

**Barley Variety Trial at Garrison**

Cooperator: Mike Zimmerman, Garrison

Variety	Plant Height inches	Lodging 0-9*	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
							2014	2015	2016	Average 2 year 3 year	
<b>6 Row Types</b>											
Tradition	25	0	97	0	49.2	10.4	58.4	57.6	89.8	73.7	68.6
Lacey	25	1	97	0	48.9	10.6	48.3	57.1	87.5	72.3	64.3
<b>2 Row Types</b>											
Pinnacle	23	0	98	0	50.1	9.9	43.8	89.6	95.7	92.6	76.4
ND Genesis	26	0	98	0	49.6	9.9	50.2	76.2	94.5	85.3	73.6
Conlon	23	2	99	0	51.0	11.5	54.8	37.3	86.7	62.0	59.6
CDC Meredith	21	2	94	1	47.7	9.8	--	--	96.3	--	--
Trial Mean	24	1	97	0	49.4	10.4	49.4	61.4	91.8	--	--
C.V.%	4.9	57	0.6	91	0.6	4.5	5.3	6.2	5.9	--	--
LSD 5%	2	1	1	NS	0.4	0.7	3.8	5.8	8.1	--	--
LSD 10%	1	1	1	NS	0.3	0.6	3.1	4.7	6.7	--	--

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

NS = no statistical difference between varieties.

Planted on May 5 with a seeding rate of 1 million PLS/A and harvested on August 10.

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

Soil Type: Williams Bowbells loam

Tillage: No Till

**Barley Variety Trial at Wilton**

Cooperator: Rod Binstock, Baldwin

Variety	Plant Height inches	Lodging 0-9*	% Plump >6/64	% Thin <5/64	Test Weight lbs/bu	Protein %	Grain Yield				
							2014	2015	2016	Average 2 year 3 year	
<b>6 Row Types</b>											
Lacey	25	1	97	0	48.9	10.6	84.6	94.8	87.5	91.2	89.0
Tradition	25	0	97	0	49.2	10.4	81.3	95.6	89.8	92.7	88.9
<b>2 Row Types</b>											
Pinnacle	23	0	98	0	50.1	9.9	73.1	96.5	95.7	96.1	88.4
ND Genesis	26	0	98	0	49.6	9.9	70.6	96.9	94.5	95.7	87.3
Conlon	23	2	99	0	51.0	11.5	46.0	55.3	86.7	71.0	62.7
CDC Meredith	21	2	94	1	47.7	9.8	--	--	96.3	--	--
Trial Mean	25	1	96	0	49.9	12.5	77.1	89.3	78.4	--	--
C.V.%	5.8	69	1.3	88	1.5	3.3	6.0	5.5	6.9	--	--
LSD 5%	2	1	2	NS	1.1	0.6	7.0	7.4	8.1	--	--
LSD 10%	2	1	2	NS	0.9	0.5	5.6	6.1	6.7	--	--

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

NS = no statistical difference between varieties.

Planted on May 5 with a seeding rate of 1 million PLS/A and harvested on August 15.

Previous Crop: 2013 = soybean, 2014 = spring wheat, 2015 = soybean.

Soil Type: Williams loam

Tillage: No Till