

**2011 Barley Variety Trial at Scranton**

Cooperator: Justin Freitag, Scranton

Variety	Plant	Test	Grain	----- Grain Yield -----			Average Yield	
	Height	Weight	Protein	2009	2010	2011	2 yr	3 yr
	inches	lbs/bu	%	----- Bushels per acre -----				
<b>2 Row Types</b>								
Rawson	31	42.8	12.1	72.9	87.8	54.4	71.1	71.7
Pinnacle	31	41.4	12.3	91.1	72.9	30.0	51.4	64.7
<b>6 Row Types</b>								
Stellar-ND	29	41.4	12.8	108.2	91.8	56.0	73.9	85.3
Innovation	29	41.4	12.4			56.7		
Quest	31	40.1	12.9			54.6		
Trial Mean	30	41.4	12.5	92.7	84.8	50.3	--	--
C.V. %	4.3	3.0	1.3	3.5	5.1	3.1	--	--
LSD 5%	NS	NS	0.2	4.9	6.7	2.4	--	--
LSD 1%	NS	NS	0.3	6.8	9.4	3.4	--	--

NS = no statistical difference between varieties.

Planting Date: May 5

Harvest Date: August 23

Seeding Rate: 750,000 live seeds / acre (approx. 1.4 bu/A).

Previous Crop: 2008, 2009 & 2010 = HRSW.

Note: The 2011 trial sustained heat stress and a moderate infection of barley yellow dwarf causing lower test weights and grain yields.