

**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.