## 2023 WSU Variety Testing Winter Barley Trial, Pullman

### Variety Name
- **Released Varieties**
  - **Thunder**
    - Yield: 6290 (Lbs/A)
    - Test WT: 53.5 (Lbs/Bu)
    - Protein: 12.7 (%)
    - Plump: 99 (%)
    - Plant HT: 29 (In)
    - Head Date: --
  - **Wintmalt**
    - Yield: 6110 (Lbs/A)
    - Test WT: 53.7 (Lbs/Bu)
    - Protein: 12.5 (%)
    - Plump: 98 (%)
    - Plant HT: 30 (In)
    - Head Date: --

- **Experimental Lines**
  - **DH161619**
    - Yield: 6030 (Lbs/A)
    - Test WT: 54.2 (Lbs/Bu)
    - Protein: 13.0 (%)
    - Plump: 97 (%)
    - Plant HT: 28 (In)
    - Head Date: --
  - **DH162310**
    - Yield: 5420 (Lbs/A)
    - Test WT: 53.6 (Lbs/Bu)
    - Protein: 14.7 (%)
    - Plump: 98 (%)
    - Plant HT: 29 (In)
    - Head Date: --
  - **DH170826**
    - Yield: 5400 (Lbs/A)
    - Test WT: 53.0 (Lbs/Bu)
    - Protein: 14.5 (%)
    - Plump: 97 (%)
    - Plant HT: 28 (In)
    - Head Date: --
  - **DH141364**
    - Yield: 5010 (Lbs/A)
    - Test WT: 53.8 (Lbs/Bu)
    - Protein: 13.8 (%)
    - Plump: 96 (%)
    - Plant HT: 27 (In)
    - Head Date: --

- **C.V.**
  - Yield: 10 (Lbs/A)
  - Test WT: 1.1 (Lbs/Bu)
  - Protein: 3.6 (%)
  - Plump: 1 (%)
  - Plant HT: 3 (In)
  - Head Date: --

- **LSD**
  - Yield: 800 (Lbs/A)
  - Test WT: NS (Lbs/Bu)
  - Protein: 0.7 (%)
  - Plump: 1 (%)
  - Plant HT: 1 (In)
  - Head Date: --

### Agronomic Information
- **Planting Date:** 10/5/2023
- **Harvest Date:** 8/4/2023
- **Seeding Rate (seeds/ac):** 800,000
- **Previous Crop:** Canola
- **Fall soil test:**
  - N (lb/ac) 4-ft sample: 435
  - P₂O₅ (lb/ac) 1-ft sample: 250
  - S (lb/ac) 2-ft sample: 77
  - pH (top 6 inches): 4.8

**Herbicides:** Brox-M (1pt) was applied on Nov 3, 2022. WideARmatch (19.5oz), Powerflex (2oz), Huskie (12.5oz), Miravis Ace (7oz) were applied by the cooperator. Axial (16oz), Huskie (15oz), and Miravis Ace (7oz) was applied on April 28, 2023.

**Trial Notes:**
1. The nursery was located approximately 3.5 miles southeast of Pullman, WA.
2. The nursery was fertilized prior to seeding by the cooperator at a rate of 180N, 20P, 20S. An additional 14N, 35P, 16K, 9S, 13Cl was applied at planting.
3. 2023 first year for winter barley trials.

**Cooperator:** Kurt Druffel