

2023 WSU Variety Testing Winter Barley Trial, Fairfield

Variety Name (Malt Italicized)	2023						2 Year	3 Year	4 Year
	Yield (Lbs/A)	Test WT (Lbs/Bu)	Protein (%)	Plump (%)	Plant HT (In)	Head Date	Average (Lbs/A)	Average (Lbs/A)	Average (Lbs/A)
Released Varieties									
<i>Thunder</i>	4490	51.9	11.7	99	25	--	--	--	--
<i>Wintmalt</i>	4280	49.9	13.0	98	28	--	--	--	--
Experimental Lines									
<i>DH141364</i>	3970	52.2	13.3	98	23	--	--	--	--
<i>DH161619</i>	3860	52.7	13.1	98	23	--	--	--	--
<i>DH170826</i>	3840	50.4	13.8	98	24	--	--	--	--
<i>DH162310</i>	3560	51.3	14.3	99	24	--	--	--	--
C.V.	6	0.8	4.9	1	8	--	--	--	--
LSD	380	0.6	1.0	NS	3	--	--	--	--
Average	4000	51.4	13.2	98	25	--	--	--	--
Highest	4490	52.7	14.3	99	28	--	--	--	--
Lowest	3560	49.9	11.7	98	23	--	--	--	--

Agronomic Information

Planting Date:	10/4/2022
Harvest Date:	8/9/2023
Seeding Rate (seeds/ac):	800,000
Previous Crop:	Canola
Fall soil test:	
N (lb/ac) 4-ft sample	176
P ₂ O ₅ (lb/ac) 1-ft sample	79
S (lb/ac) 2-ft sample	47
pH (top 6 inches)	4.9

Herbicides: Brox-M (1pt) was applied on Nov 3, 2022.

Axial (16oz), Huskie (15oz), and Miravis Ace (7oz) was applied on May 2, 2023.

Trial Notes:

1. The nursery was located approximately 4.5 miles east of Fairfield, WA.
2. The nursery was fertilized at seeding at a rate of 14N, 35P, 16K, 9S, 13Cl. No additional fertilizer was applied after fall soil sampling.
3. 2023 first year for winter barley trials.

Cooperator: Mike Roecks