

## 2023 WSU Variety Testing Hard Red Winter Wheat Trial, Anatone

Variety Name	2023					2 Year	3 Year	4 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Released Varieties</i>								
WB4311	83	63.9	10.0	32	151	79	66	69
LCS Jet	80	59.8	11.0	32	152	91	74	77
Keldin	80	63.3	9.5	35	150	82	69	71
LCS Rocket	76	57.0	10.6	31	150	87		
LCS Missile (LWH19-0192)	75	60.3	10.7	34	152	85	71	
WB4303	74	59.0	11.0	33	147	82	67	63
LCS Blackbird (LWH18-0122)	73	59.2	10.7	28	150	80	66	
Scorpio	72	59.6	10.6	32	151	83	70	70
Milestone	71	60.9	10.2	32	150			
LCS Evina	71	59.9	12.3	34	154			
WB4394	70	61.2	11.2	41	152	73	60	67
Whistler	69	61.2	9.8	36	150	80	68	
Canvas	68	63.4	10.1	34	149	76	64	
Guardian	61	63.1	10.4	36	150	64	54	
<i>Experimental Lines</i>								
OR2190160R	80	62.9	10.7	34	151			
WA8401	78	58.5	9.9	32	153			
OR2190064R	76	61.3	11.0	30	152			
LWH20-0490	74	61.1	10.5	32	150			
WA8367	74	63.8	11.1	36	153	79		
LWH20-4802	73	62.7	11.3	37	152			
LWH19-5663	71	58.6	10.8	32	152	86		
WA8310	69	60.6	10.5	36	152	81	68	70
WA8403	55	59.7	11.4	34	155			
WA8396	52	58.8	11.3	39	157			
C.V. %	5	0.9	6.3	5	0	8	10	13
LSD (0.05)	5	0.8	0.9	2	1	6	5	6
Average	72	60.8	10.7	34	151	81	66	69
Highest	83	63.9	12.3	41	157	91	74	77
Lowest	52	57.0	9.5	28	147	64	54	63

### Agronomic Information

Planting Date:	9/23/2022
Harvest Date:	7/25/2023
Seeding Rate (seeds/ft <sup>2</sup> ):	900,000
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 2-ft sample	183
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	242
S (lb/ac) 2-ft sample	29
pH (top 6 inches)	6.0

**Herbicides:** Zidua (4oz) was applied on Oct 18, 2022.

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 28, 2023.

### Trial Notes:

1. The nursery was located approximately 5.5 miles northeast of Anatone, WA.
2. The nursery was fertilized at seeding at a rate of 16N, 40P, 10K, 10S. An additional 88N was applied on Nov 3, 2022.
3. Yield was down 16% and test weight was down 1.0 lb/bu compared to 2022.

**Cooperator:** Brit Ausman