

2021 WSU Variety Testing Hard Winter Wheat Trial, Anatone

Variety Name	2021					2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Hard White Italicized</i>								
<b>Released Varieties</b>								
Keldin	46	61.1	10.6	31	150	64	62	73
Millie	45	59.9	12.0	28	151			
WB4311	44	60.8	11.3	30	149	63	61	75
Whistler	43	59.9	10.5	31	150			
Scorpio	41	57.6	10.2	26	151	57		
WB4303	40	58.9	11.4	26	149	45	46	
Canvas	40	61.8	10.9	27	149			
SY Clearstone CL2	40	59.4	10.9	32	152	56	55	71
Battle AX	40	60.0	10.2	28	148			
AP18 AX	39	59.4	10.4	28	148			
WB4623CLP	37	60.1	11.8	26	152	51		
WB4394	36	58.3	11.3	33	151	63	62	
LCS Jet	36	55.0	10.3	25	152	61	63	80
Guardian	35	60.4	11.8	29	150			
UI Bronze Jade	33	57.2	10.4	27	151	56		
LCS Fusion AX	30	55.9	10.3	26	150			
<b>Experimental Lines</b>								
LWH19-0192	48	57.2	11.1	28	151			
LWH19-0907	44	55.5	11.4	28	153			
PN13201002-04	43	58.5	10.4	33	153			
LWH18-0122	42	55.1	11.7	24	150			
WA8310	41	58.4	10.9	29	152	61	61	
IDO2006	41	56.9	11.0	27	154			
OR2170199R	37	55.1	11.3	27	152			
WA8338	36	54.6	11.9	27	153			
OR2160011R	35	54.7	10.7	26	151	60		
WA8309	33	52.2	11.8	22	153	49		
YSC-1001	33	55.4	11.9	30	155			
WA8318 CL+	33	56.5	10.7	32	155	48		
YSC-1002	33	59.4	11.9	27	147			
OR2180056R	30	53.6	11.5	26	154			
C.V. %	10	1.5	5.4	8	1	12	12	11
LSD (0.05)	6	1.4	1.0	4	2	7	5	4
Average	38	57.6	11.1	28	151	56	59	73
Highest	48	61.8	12.0	33	155	64	63	80
Lowest	30	52.2	10.2	22	147	45	46	66

**Agronomic Information**

Planting Date:	9/23/2020
Harvest Date:	7/20/2021
Seeding Rate (seeds/ft <sup>2</sup> ):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 2-ft sample	170
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	196
S (lb/ac) 2-ft sample	20
pH (top 6 inches)	5.7

**Trial Notes:**

1. The Anatone nursery was located 6 miles NE of Anatone, WA.
2. The nursery was fertilized prior to seeding at a rate of 70N, 15P, 11S. An additional 175N was applied after soil sampling.
3. Overall yield was 47% lower than 2020 and test weight was 4.4 lb/bu less.

**Cooperator: Brit Ausman**

Herbicide: Zidua (2oz) was applied on September 23, 2020.

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 2, 2021.

Metribuzin (0.5lb) was applied on April 16, 2021.