

2021 WSU Variety Testing Hard Winter Wheat Trial, Reardan

Variety Name <i>Hard White Italicized</i>	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)
<b>Released Varieties</b>								
WB4394	62	60.8	13.4	33	153	81	83	
LCS Jet	58	58.5	14.1	25	151	83	85	98
Keldin	57	61.6	13.6	30	153	79	82	98
Millie	56	61.6	14.2	30	152			
Whistler	56	62.2	12.3	30	152			
Scorpio	56	59.9	13.9	28	154	78		
Battle AX	56	62.8	13.0	26	152			
AP18 AX	55	60.1	12.8	30	149			
Guardian	54	63.7	13.0	30	153			
LCS Fusion AX	54	61.8	12.0	31	153			
WB4303	51	60.6	13.7	28	152	63	66	
Canvas	51	62.8	13.4	28	152			
WB4311	48	61.1	14.5	27	152	67	71	
UI Bronze Jade	47	60.3	12.8	29	155	71		
WB4623CLP	47	61.3	15.2	29	157	68		
SY Clearstone CL2	38	57.5	15.9	31	154	66	72	85
<b>Experimental Lines</b>								
LWH19-0192	68	60.0	13.3	30	155			
WA8338	66	59.8	13.1	31	157			
WA8310	66	62.2	13.2	32	153	92	93	
IDO2006	64	61.3	13.4	29	157			
PN13201002-04	62	62.3	13.6	31	154			
LWH19-0907	60	59.9	13.7	28	158			
LWH18-0122	59	59.9	14.3	24	153			
WA8318 CL+	56	62.4	12.6	36	158	84		
YSC-1001	55	59.1	14.9	31	157			
OR2160011R	53	59.3	13.3	26	154	78		
OR2170199R	52	59.3	13.9	26	153			
OR2180056R	51	58.6	13.4	27	158			
WA8309	48	57.1	14.5	22	158	78		
YSC-1002	45	60.4	14.8	25	149			
C.V. %	6	1.4	2.9	6	2	7	8	9
LSD (0.05)	6	1.4	0.8	3	7	6	6	5
Average	55	60.6	13.7	29	154	76	79	91
Highest	68	63.7	15.9	36	158	92	93	98
Lowest	38	57.1	12.0	22	149	63	66	85

**Agronomic Information**

Planting Date:	9/30/2020
Harvest Date:	8/6/2021
Seeding Rate (seeds/ft <sup>2</sup> ):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	302
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	163
S (lb/ac) 2-ft sample	27
pH (top 6 inches)	4.9

Herbicide: Herbicides were applied by the cooperator

**Trial Notes:**

1. The Reardan nursery was located 7 miles W of Reardan, WA.
2. The nursery was fertilized prior to seeding at a rate of 67N, 11P, 6S. An additional 97N was applied after soil sampling.
3. Overall yield was 43% less than 2020 and test weight was 2.4 lb/bu less.

**Cooperator: Hal Johnson**