

2021 WSU Variety Testing Hard Winter Wheat Trial, Lamont

Variety Name	2021						2 Year	3 Year	5 Year ^s
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Hard White Italicized</i>									
Released Varieties									
WB4303	110	61.7	13.0	36	147	0	97	126	
WB4394	110	62.8	12.8	42	149	0	104	133	
<i>UI Bronze Jade</i>	107	60.3	12.3	38	151	0	99		
Keldin	106	62.6	13.0	38	149	17	98	129	111
Scorpio	105	62.3	13.5	33	150	0	96		
Canvas	104	64.0	12.8	34	148	0			
Battle AX	103	62.8	13.3	37	148	0			
LCS Jet	103	61.2	13.0	36	149	0	98	131	114
Guardian	101	63.5	12.6	39	149	7			
WB4311	101	63.3	13.2	33	149	0	89	112	
LCS Fusion AX	101	62.3	12.4	38	148	25			
<i>Millie</i>	99	63.5	12.9	35	149	0			
Whistler	97	62.7	11.9	37	147	17			
AP18 AX	96	61.6	12.3	39	148	17			
WB4623CLP	90	63.4	14.3	38	150	17	84		
SY Clearstone CL2	88	62.0	13.1	38	150	0	85	113	96
Experimental Lines									
WA8309	115	59.4	13.4	30	152	0	103		
WA8310	115	62.1	12.5	43	150	8	106	137	
LWH19-0192	112	62.3	13.0	40	149	0			
LWH19-0907	111	61.7	12.9	35	150	0			
LWH18-0122	108	60.6	13.2	32	148	0			
<i>IDO2006</i>	108	61.8	12.3	36	151	0			
WA8338	105	61.0	12.8	43	152	3			
PN13201002-04	102	62.5	12.5	41	149	0			
OR2160011R	101	61.3	12.0	33	150	0	95		
YSC-1002	90	61.1	14.1	33	147	3			
OR2170199R	89	60.9	12.7	32	149	0			
YSC-1001	88	60.7	13.2	43	153	0			
WA8318 CL+	82	61.8	12.9	46	155	43	82		
OR2180056R	75	59.6	12.9	32	153	0			
C.V. %	8	1.2	3.3	4	1	296	7	6	7
LSD (0.05)	13	1.2	0.8	3	2	30	7	7	5
Average	101	61.9	12.9	37	150	5	95	126	107
Highest	115	64.0	14.3	46	155	43	106	137	114
Lowest	75	59.4	11.9	30	147	0	82	112	96

Agronomic Information

Planting Date:	9/22/2020
Harvest Date:	7/27/2021
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	413
P ₂ O ₅ (lb/ac) 1-ft sample	171
S (lb/ac) 2-ft sample	31
pH (top 6 inches)	5.7

Herbicide: Zidua (2oz) was applied on September 25, 2020.

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 1, 2021.

Trial Notes:

1. The Lamont nursery was located 5 miles SE of Lamont, WA.
2. The nursery was fertilized prior to seeding at a rate of 80N, 10P, 10S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 19% greater than 2020 and test weight was 0.4 lb/bu less. Stripe rust was present in study.

Cooperator: Rod Mills

^s5 Year data from 2021, 2020, 2019, 2018, 2016