

2021 WSU Variety Testing Hard Winter Wheat Trial, Pasco

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)
Released Varieties								
WB4303	157	61.8	13.0	36	134	152	109	
LCS Rocket	157	58.9	12.6	36	138	160	115	131
Battle AX	156	63.6	13.5	37	133			
Keldin	153	62.3	13.3	36	139	150	101	111
WB4394	153	63.0	12.6	37	136			
Canvas	152	64.4	12.7	37	135			
Kairos	151	62.3	13.3	36	135			
<i>UI Bronze Jade</i>	149	60.5	12.5	37	141			
WB4311	147	62.8	13.2	37	134	127	107	
LCS Jet	145	61.3	13.1	40	136	161	110	142
Scorpio	141	59.8	13.1	37	141	153	96	
<i>Millie</i>	131	62.5	13.0	39	141			
WB4623CLP	130	63.0	14.6	39	141	134		
Experimental Lines								
WA8344	153	63.1	13.9	36	130			
WA8342	151	62.8	14.3	35	132			
WA8343	149	64.7	14.0	39	131			
LWH19-0907	145	62.0	13.4	39	139			
LWH18-0122	142	61.0	13.3	37	138			
LWH19-0192	141	60.3	13.8	40	140			
OR2170199R	140	58.7	12.6	38	140			
WA8340	139	57.7	12.8	36	142			
WA8339	138	59.0	13.3	39	142			
YSC-1002	138	62.0	14.2	36	132			
<i>IDO2006</i>	137	61.8	12.1	39	142			
OR2180056R	137	58.2	12.9	35	143			
OR2160065H	135	61.2	13.1	39	139			
WA8309	133	56.5	12.9	39	140	153		
OR2160011R	133	57.5	12.3	36	141			
<i>OR2150168H</i>	129	59.9	13.2	35	140			
YSC-1001	127	59.8	13.9	40	143			
C.V. %	4	1.4	1.5	7	1	4	7	12
LSD (0.05)	10	1.6	0.4	5	2	9	10	16
Average	143	61.1	13.2	37	138	149	107	128
Highest	157	64.7	14.6	40	143	161	115	142
Lowest	127	56.5	12.1	35	130	127	96	111

Agronomic Information

Planting Date:	11/2/2020
Harvest Date:	7/9/2021
Seeding Rate (seeds/ft ²):	24
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	97
P (ppm-bicarb) 2-ft sample	769
S (lb/ac) 2-ft sample	41
pH (top 6 inches)	7.0

Trial Notes:

1. The Pasco hard red winter wheat nursery was located 16 miles SE of Pasco, WA.
2. Overall yield was 6% lower than 2019 (no trial in 2020) and test weight was 1.9 lb/bu less.
3. Yields were lower than fall planted spring wheat due to the late plant date. Trial was not fertilized prior to seeding.

Cooperator: Simplot