

2021 WSU Variety Testing Hard Winter Wheat Trial, Pullman

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								
Scorpio	72	58.3	13.2	26	160	105	110	119
Keldin	72	59.8	12.9	28	160	95	100	118
AP18 AX	71	59.3	12.2	28	158			
Battle AX	70	59.2	12.6	27	158			
Millie	69	59.8	13.4	26	160	96		
LCS Rocket	68	55.8	12.7	27	161	103	105	125
Canvas	67	61.0	12.8	25	158			
LCS Fusion AX	64	57.7	11.8	27	159			
LCS Jet	64	55.6	13.0	23	159	100	104	120
WB4311	63	59.3	13.6	24	160	89	93	109
Kairos	63	58.0	13.1	22	158	88		
SY Clearstone CL2	63	58.7	14.0	32	160	82	90	106
WB4623CLP	62	60.1	14.4	26	161	82	92	103
WB4394	62	58.5	13.1	31	161	91		
WB4303	62	57.1	13.5	24	160	74	79	
UI Bronze Jade	57	57.0	12.4	28	161	89		
Experimental Lines								
IDO2006	81	58.9	12.8	29	162			
LWH19-0907	81	57.3	12.3	26	160			
PN13201002-04	76	59.4	12.5	29	160			
LWH19-0192	75	57.7	13.0	25	159			
OR2170199R	74	56.5	13.0	25	161			
OR2160011R	72	57.2	13.0	25	161	101		
OR2180056R	71	56.2	13.3	25	164			
WA8340	70	56.6	12.2	28	162			
WA8309	69	58.0	13.0	24	162	99	101	
LWH18-0122	67	55.7	13.7	22	160			
WA8339	67	56.9	13.7	25	162			
OR2150168H	62	56.6	14.0	24	162	91		
YSC-1002	61	58.4	13.9	23	158			
YSC-1001	61	56.9	13.9	32	162			
C.V. %	7	1.4	2.9	4	0	7	8	7
LSD (0.05)	8	1.3	0.7	2	1	7	7	5
Average	68	57.9	13.1	26	160	92	97	114
Highest	81	61.0	14.4	32	162	105	110	125
Lowest	57	55.6	11.8	22	158	74	79	103

Agronomic Information

Planting Date:	10/9/2020
Harvest Date:	7/27/2021
Seeding Rate (seeds/ft ²):	23.75
Previous Crop:	Peas
Spring soil test:	
N (lb/ac) 4-ft sample	445
P ₂ O ₅ (lb/ac) 1-ft sample	204
S (lb/ac) 2-ft sample	38
pH (top 6 inches)	4.8

Herbicide: Zidua (4oz) was applied on October 9, 2020.
Spring herbicides were applied by the cooperator.

Trial Notes:

1. The Pullman nursery was located 7.5 miles SE of Pullman, WA.
2. The nursery was fertilized prior to seeding at a rate of 124N, 30P, 30K, 25S. An additional 92N was applied after soil sampling.
3. Overall yield was 44% less than 2020 and test weight was 5.2 lb/bu less.

Cooperator: Kurt Druffel