

2020 WSU Variety Testing Hard Winter Wheat Trial, Horse Heaven

Variety Name <i>Hard White Italicized</i>	2020					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								
Keldin	45	--	12.5	--	139	49	46	42
Sequoia	43	--	12.6	--	145	47	43	39
AP Redeye	42	--	12.7	--	138			
Scorpio	42	--	12.8	--	143			
<i>UI Bronze Jade</i>	40	--	12.3	--	139			
WB4623CLP	40	--	14.7	--	138	42	39	
LCS Jet	39	--	13.2	--	138	45	41	37
LCS Zoom	39	--	13.4	--	136	42	39	
LCS Rocket	39	--	13.0	--	141	45		
WB4394	36	--	13.5	--	139			
Farnum	36	--	12.5	--	151	38	35	33
WB4303	34	--	--	--	135	35		
CP 7010	34	--	13.6	--	136			
SY Clearstone CL2	33	--	15.0	--	141	41	39	
WB4311	32	--	13.2	--	136	37	34	
SY Touchstone	31	--	13.3	--	142	42	38	
Experimental Lines								
OR2160011R	45	--	12.0	--	137			
WA 8318 CL+	45	--	11.1	--	146			
WA 8289	44	--	12.0	--	138			
LWH17-5083	44	--	12.9	--	151			
WA 8309	43	--	13.8	--	146			
WA 8287	43	--	12.8	--	138	43		
<i>OR2150168H</i>	42	--	13.2	--	143			
<i>IDO 1806</i>	39	--	12.8	--	141			
MTCL1732	36	--	13.8	--	140			
OR2150100R	36	--	14.0	--	137			
<i>OR2150065H</i>	34	--	14.2	--	141			
WA 8310	34	--	13.7	--	136			
MTCL1737	31	--	--	--	142			
<i>IDO 1906</i>	28	--	15.2	--	135			
C.V. %	11	--	4.0	--	--	10	9	9
LSD (0.05)	7	--	1.1	--	--	5	3	2
Average	38	--	13.2	--	140	42	39	38
Highest	45	--	15.2	--	151	49	46	42
Lowest	28	--	11.1	--	135	35	34	33

Agronomic Information

Planting Date:	9/25/2019
Harvest Date:	7/13/2020
Seeding Rate (seeds/ft ²):	13
Previous Crop:	No-till Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	140
P (ppm-bicarb) 2-ft sample	5
S (lb/ac) 2-ft sample	29
pH (top 6 inches)	6.7

Trial Notes:

1. The Horse Heaven nursery was located about 6.5 miles E/SE of Prosser, WA.
2. Trial was fertilized with a no-till drill at planting.
3. Overall yield was 20% lower than 2018 (no data published from 2019).

Cooperator: Devin Moon

- * 2-year average from 2020 and 2018
- ** 3-year average from 2020, 2018, and 2017
- *** 5-year average from 2020, 2018, 2017, 2016, and 2014