

2021 WSU Variety Testing Hard Winter Wheat Trial, Bickleton

Variety Name <i>Hard White Italicized</i>	2021					2 Year	3 Year	4 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								
WB4311	22	56.2	13.3	21	--	25	30	32
Keldin	21	54.9	13.3	22	--	25	31	33
Guardian	20	56.4	12.7	21	--			
WB4394	20	55.5	12.8	23	--	23	28	
AP18 AX	20	54.4	12.0	19	--			
Canvas	19	56.6	12.8	21	--			
LCS Fusion AX	19	51.2	12.7	23	--			
Whistler	19	54.9	12.9	23	--			
Battle AX	19	54.6	12.4	21	--			
Scorpio	19	51.1	14.1	19	--	24		
Millie	18	55.6	14.1	21	--			
WB4623CLP	17	55.7	13.9	19	--	20		
WB4303	17	55.3	13.3	20	--	22	27	29
SY Clearstone CL2	17	54.7	14.1	24	--	22	29	31
UI Bronze Jade	16	51.6	13.8	21	--	21		
LCS Jet	16	51.4	14.0	17	--	23	32	34
Experimental Lines								
LWH19-0192	19	52.8	13.3	21	--			
PN13201002-04	19	54.2	13.1	24	--			
LWH18-0122	19	49.9	13.6	18	--			
WA8310	19	53.9	13.0	21	--	23	31	
YSC-1002	18	56.8	13.1	19	--			
YSC-1001	18	52.7	12.9	24	--			
IDO2006	17	53.3	14.3	22	--			
LWH19-0907	17	50.9	13.7	19	--			
WA8338	17	50.4	14.0	21	--			
OR2170199R	16	50.8	14.1	20	--			
WA8318 CL+	15	51.9	13.6	23	--	21		
OR2160011R	15	50.3	14.3	20	--	22		
OR2180056R	14	48.8	14.7	22	--			
WA8309	13	48.5	14.9	19	--	19		
C.V. %	7	1.4	3.7	8	--	9	14	11
LSD (0.05)	2	1.5	1.0	3	--	2	3	2
Average	18	53.2	13.5	21	--	22	30	31
Highest	22	56.8	14.9	24	--	25	32	34
Lowest	13	48.5	12.0	17	--	19	27	24

Agronomic Information

Planting Date:	11/2/2020
Harvest Date:	8/16/2021
Seeding Rate (seeds/ft ²):	12.5
Previous Crop:	Triticale
Spring soil test:	
N (lb/ac) 3-ft sample	120
P ₂ O ₅ (lb/ac) 1-ft sample	200
S (lb/ac) 2-ft sample	34
pH (top 6 inches)	5.2

Herbicide: Herbicides were applied by the cooperator.

Trial Notes:

1. The Bickleton nursery was located 2.5 miles NE of Bickleton, WA.
2. The nursery was fertilized prior to seeding at a rate of 50N, 10S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 31% lower than 2020. Test weight was not reported in 2020 due to high variability.

Cooperator: Andy & Ron Juris