

2021 WSU Variety Testing Soft Winter Wheat Trial, Horse Heaven

Variety Name <i>Club 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)
<i>Released Varieties</i>								
Curiosity CL+	27	59.1	12.7	27	144	33	43	42
Mela CL+	26	58.6	12.6	26	144	35	41	41
Devote	25	59.7	12.9	26	144	35	41	
Purl	25	59.2	13.0	28	140	33		
SY Command	25	55.7	11.9	27	141	32	42	39
LCS Hulk	25	57.8	13.6	27	141	36	43	41
Piranha CL+ (WA8305 CL+)	24	58.8	12.8	28	142	32		
WB1529	24	59.8	13.3	24	140	29	39	37
WB1783	24	61.5	14.1	26	141	29	39	
LCS Sonic	24	57.5	13.4	26	141	33	40	40
VI Presto CL+ (UIL 17-6451 CL+)	24	59.4	13.7	27	141	32		
<i>ARS-Castella</i>	24	57.7	13.2	25	140	31	41	39
Norwest Tandem	23	57.0	12.8	24	141	31	41	
M-press	23	56.7	13.3	26	141	31	40	
<i>Pritchett</i>	23	59.3	14.1	25	141	31	42	39
AP Dynamic	23	56.1	13.3	25	145	31		
Stingray CL+	23	58.8	14.4	26	142	27		
Otto	22	57.8	13.3	28	147	31	38	36
Puma + Zn	22	58.3	13.9	29	142			
<i>ARS-Crescent</i>	22	58.0	13.4	27	146	31	42	37
Jasper	22	55.9	13.7	26	141	30	39	
M-idas	22	59.0	12.5	25	138	29		
YSC-93	21	58.3	13.2	26	139			
Norwest Duet	21	57.7	13.2	28	143	29	37	38
VI Voodoo CL+ (UIL 17-6268 CL+)	21	58.4	13.9	22	142			
Puma	21	58.6	14.0	26	142	31	40	38
YSC-215	21	57.9	13.6	25	142			
LCS Shine	21	57.6	12.5	22	139	32	41	
Resilience CL+	21	59.2	14.2	27	143	26		
Appleby CL+	20	57.6	14.3	28	141	29		
UI Magic CL+	19	59.2	14.6	23	141	24	33	34
VI Frost	17	59.1	15.2	27	142	24	35	
<i>Experimental Lines</i>								
UIL 17-7706 CL+	26	58.6	12.9	24	144			
LWW18-5080	25	59.1	12.7	26	140			
09PN118-02 CL2	25	57.6	13.9	27	142			
GS2	25	59.5	13.1	27	144			
LWW17-5877	25	58.5	13.1	27	138			
ORI2190025 CL+	25	57.6	13.0	27	139			
UIL 13-553051A	25	57.1	12.7	26	141			
LWW18-0587	24	56.6	13.3	26	141			
OR2130755	24	56.4	13.2	27	140	31		
WA8334	23	57.6	12.7	25	148			
WA8333	23	57.1	13.4	29	145			
WA8332	22	54.8	14.3	28	144			
WA8290	22	57.3	13.2	28	146	31	39	

LWW17-8185	22	58.2	12.5	25	142			
WA8331	21	56.0	13.2	27	146			
LWW17-5815	21	57.3	13.8	25	145	31		
<i>ARSX12097-8D</i>	21	56.3	13.7	24	146			
IDO2008	18	58.2	13.8	27	143			
<i>ARSX12015-68CBW</i>	18	55.8	13.7	26	146	27		
<i>WA8317</i>	17	58.9	14.5	25	146	28		
<i>OR5170022</i>	14	59.2	16.2	25	144	21		
C.V.	7	1.2	2.6	6	1	11	11	10
LSD	3	1.3	0.7	3	2	3	4	3
Average	23	58.0	13.5	26	142	30	40	39
Highest	27	61.5	16.2	29	148	36	43	42
Lowest	14	54.8	11.9	22	138	21	33	34

Agronomic Information

Planting Date:	10/1/2020
Harvest Date:	7/23/2021
Seeding Rate (seeds/ft ²):	12.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	173
P ₂ O ₅ (lb/ac) 1-ft sample	75
S (lb/ac) 2-ft sample	24
pH (top 6 inches)	6.6

Herbicide: Herbicides were applied by the cooperator

Trial Notes:

1. The Horse Heaven nursery was located 9 miles W of Prosser, WA.
2. The nursery was fertilized prior to seeding at a rate of 42N, 30P, 11S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 41% lower than 2020. Test weight data was not published in 2020.

Cooperator: Chad Smith