

2023 WSU Variety Testing Soft White Winter Wheat Trial, Horse Heaven

Variety Name <i>Club Italicized</i>	2023					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								
Rollie (WA8334)	39	62.4	9.6	145	24	46	39	
LCS Hulk	38	60.3	11.7	143	24	49	40	41
Norwest Duet	38	59.9	10.7	143	25	49	40	39
TMC M-Press	37	60.8	10.7	143	23	46	39	39
GS Bounty	37	59.4	11.9	143	26	49		
WB1922	36	60.9	11.4	144	23			
Jameson (WA8290)	36	60.2	10.5	144	23			
WB1720	36	61.7	11.7	140	20			
TMC M-Pire	36	61.1	10.5	144	23	47		
Nimbus (OR2130755)	36	59.3	11.2	140	22	43	37	39
AP Dynamic	35	59.0	10.7	145	23	46	38	40
YSC-215	35	60.3	11.4	144	24	43	35	37
Norwest Tandem	35	58.9	10.8	139	19	49	41	39
AP Exceed	35	58.7	10.1	138	22	44		
LCS Kamiak (LWW17-5877)	34	58.4	11.5	138	19	45	38	
LCS Jefe	33	58.7	10.2	141	22	48	40	
Devote	32	62.5	10.9	145	23	45	38	41
Otto	32	61.0	10.9	145	26	43	36	38
VI Frost	31	61.3	13.6	140	21	43	34	33
<i>Pritchett</i>	31	61.1	10.8	145	21	48	40	39
WB1621	31	61.5	10.8	139	22			
<i>Castella</i>	31	59.6	11.4	144	20	42	36	36
LCS Shine	30	57.9	10.4	139	21	51	41	43
<i>ARS-Crescent</i>	29	60.3	11.5	145	21	40	34	37
Experimental Lines								
UIL 14-211120A	38	58.3	11.0	143	23			
LWW20-2383	38	60.5	11.2	138	20			
LWW20-2867	38	58.8	9.9	140	20			
LWW19-5862	37	59.4	10.9	145	26	48		
WA8332	37	57.6	11.1	144	23			
UIL 17-995133B	36	61.2	10.5	139	23			
LWW19-6219	36	59.6	11.5	142	22	44		
YSC-217	36	60.4	10.6	144	23			
YSC-93	36	59.8	11.1	140	22	45	36	
WA8394	35	61.0	10.6	145	24			
UIL 16-478001	34	60.3	11.8	143	24	44		
WA8364	34	61.3	10.8	145	24	46		
WA8362	33	59.6	11.4	145	26	48		
<i>ARS12X097-12C</i>	32	59.5	11.5	144	22	46		
WA8395	32	58.5	11.1	144	23			
<i>OR5180071</i>	31	61.6	10.9	145	19			
<i>ARS15X1460-8CBW</i>	29	56.8	11.9	145	18			
<i>OR5180072</i>	27	59.3	12.1	144	20			
C.V.	5	2.1	3.9	0	5	12	13	15
LSD	3	1.8	0.6	1	1	5	4	4
Average	34	60.0	11.1	143	22	46	38	39
Highest	39	62.5	13.6	145	26	51	41	43
Lowest	27	56.8	9.6	138	18	40	34	33

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Agronomic Information

Planting Date:	9/21/2022
Harvest Date:	7/27/2023
Seeding Rate (seeds/ac):	500,000
Previous Crop:	Fallow
Fall soil test:	
N (lb/ac) 4-ft sample	124
P ₂ O ₅ (lb/ac) 1-ft sample	83
S (lb/ac) 2-ft sample	12
pH (top 6 inches)	6.7

Trial Notes:

1. The nursery was located approximately 6 miles southwest of Benton City, WA.
2. The nursery was fertilized at a rate of 13N, 30P, 8K, 8S at planting. An additional 28N, 13P, 6K, 3S, 5CI was applied on Nov 2, 2022.
3. Yield was down 40% and test weight was 1.7 lb/bu lower compared to 2022.

Cooperator: Chad Smith

Herbicides: Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 25, 2023.