WASHINGTON STATE UNIVERSITY EXTENSION

2023 WSU Variety Testing Hard Red Spring Wheat Trial, Horse Heaven

Variety Name	2023 Yield (Bu/A)	2023 Test WT (Lbs/Bu)	2023 Protein (%)	2023 Plant HT (In)	2023 Head Date	2 Year Average (Bu/A)	3 Year Average (Bu/A)	4 Year Average (Bu/A)
Released Varieties								
CP3119A	**37**	57.6	12.8	22	160			
CP3055	**34**	59.6	13.0	21	160	**33**		
CP3322	33	61.6	13.0	20	157			
Net CL+	33	**63.5**	14.2	21	154	28	**21**	**23**
Chet	32	**64.1**	14.7	23	149	28	**22**	**25**
Hale	31	**63.4**	14.6	22	150	28	**22**	**25**
WB9623	29	63.2	13.9	22	152	**30**		
Kelse	28	63.1	14.5	24	152	27	**21**	**23**
Alum	28	**64.1**	14.1	20	148	25	**20**	**23**
Glee	26	**63.5**	14.3	21	148	24	19	20
CP3530	23	61.5	14.5	22	156	22		
AP Renegade	22	62.5	15.5	19	152	24	18	20
WB9668	22	62.9	**16.9**	18	148	20	15	17
WB9303	21	62.7	**16.9**	20	146	19	15	15
Experimental Lines								
MT1939	**34**	62.1	13.4	21	153			
MT1809	33	61.9	13.9	21	153			
WA8412	29	62.7	15.0	21	148			
IDO2105S	28	**63.4**	14.1	20	149			
WA8358 CL+	28	63.3	14.9	22	151	28		
IDO2202 CL2+	28	**63.5**	13.5	20	148			
WA8342R	27	63.1	13.8	19	151			
WA8387 CL+	26	**63.9**	14.3	21	150	24		
WA8356	25	62.8	15.2	20	149	23	19	
WA8411	22	63.3	15.2	21	147			
C.V.	8	0.8	2.3	5	1	12	13	15
LSD	3	0.7	0.5	2	2	3	2	2
Average	28	62.6	14.4	21	151	26	19	21
Highest	37	64.1	16.9	24	160	33	22	25
Lowest	21	57.6	12.8	18	146	19	15	15

Agronomic Information

Planting Date:	3/30/2023
Harvest Date:	7/27/2023
Seeding Rate (seeds/ac):	650,000
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	115
P_2O_5 (lb/ac) 1-ft sample	58
S (lb/ac) 2-ft sample	8
pH (top 6 inches)	7.2

Trial Notes:

1. The nursery was located approximately 9 miles east of Prosser, WA.

2. The nursery was fertilized at a rate of 32N, 80P, 38K, 20S, and 30Cl. No additional fertilizer was applied after soil sampling.

3. Yield was 12% greater and test weight was 0.5 lb/bu lower compared to 2022.

Cooperator: Chad Smith

Herbicides: Axial (16oz), Talinor (16oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 17, 2023.