

2023 WSU Variety Testing Hard Red Spring Wheat Trial, Reardan

Variety Name	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								
CP3119A	59	57.9	11.9	30	174	40		
CP3055	58	59.4	11.7	31	175			
CP3322	57	62.8	12.1	30	174			
Glee	49	63.3	12.5	31	165	34	48	48
Net CL+	48	63.5	13.3	29	167	33	46	46
Chet	46	62.2	13.9	37	165	33	45	44
Alum	46	62.9	12.8	31	166	32	49	47
WB9623	45	63.4	13.2	30	165			
Hale	43	62.8	14.2	30	165	32	46	46
Kelse	43	62.6	13.5	32	166	29	42	42
AP Renegade	43	61.8	13.9	27	167	30	47	47
CP3530	39	62.2	13.5	31	167			
WB9668	37	62.1	15.1	25	163	26	40	40
WB9303	36	62.0	14.9	27	162	23	34	
Experimental Lines								
MT1939	52	62.1	12.7	29	165			
MT1809	51	61.1	12.9	28	165			
WA8358 CL+	48	62.6	13.4	30	164			
IDO2105S	48	62.3	12.6	28	165			
IDO2202 CL2+	47	62.7	12.3	29	163			
WA8412	46	62.4	14.2	31	163			
WA8387 CL+	46	63.0	13.3	29	165			
WA8342R	46	62.7	13.0	27	166			
WA8356	40	61.7	14.6	29	165	29		
WA8411	40	62.2	13.9	29	160			
C.V.	7	1.1	5.5	6	1	10	10	9
LSD	5	0.9	1.0	3	1	3	3	3
Average	46	62.2	13.3	30	166	31	44	45
Highest	59	63.5	15.1	37	175	40	49	48
Lowest	36	57.9	11.7	25	160	23	34	40

*2023,2021,2020,2019 used in multi-year analysis.

Agronomic Information

Planting Date:	4/14/2023
Harvest Date:	8/24/2023
Seeding Rate (seeds/ac):	870,000
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	77
P ₂ O ₅ (lb/ac) 1-ft sample	158
S (lb/ac) 2-ft sample	35
pH (top 6 inches)	5.0

Trial Notes:

1. The nursery was located approximately 7 miles west of Reardan, WA.
2. The nursery was fertilized at seeding at a rate of 11N, 26P, 13K, 7S, and 10Cl. An additional 102N was applied on May 6, 2023.
3. Yield was 171% greater and test weight was 2.5 lb/bu more compared to 2021. 2022 data not published.

Cooperator: Hal Johnson, Ryan Wiater and Todd Carstens

Herbicides: Axial (15oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on May 23, 2023.