

2023 WSU Variety Testing Hard Red Spring Wheat Trial, St. John

Variety Name	2023					2 Year Average (Bu/A)	3 Year Average (Bu/A)	4 Year Average (Bu/A)
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date			
Released Varieties								
CP3119A	68	58.6	12.8	31	174			
CP3322	62	62.6	12.8	27	173			
Alum	59	63.1	14.4	28	168	53	44	48
CP3055	58	59.7	13.1	28	173	53		
Net CL+	58	63.5	14.3	31	168	60	49	54
Chet	57	63.2	15.5	38	167	51	43	47
WB9623	56	62.6	14.4	29	167	54		
AP Renegade	54	61.7	15.0	29	172	61	49	55
Kelse	52	62.5	15.0	31	166	54	44	51
Glee	51	63.0	14.9	30	165	55	45	54
Hale	49	62.7	15.3	32	164	62	50	55
WB9668	45	61.8	17.2	23	163	48	39	46
CP3530	42	61.6	15.6	31	170	47		
WB9303	40	61.7	16.6	27	163	43	35	43
Experimental Lines								
MT1809	62	62.0	14.6	31	166			
IDO2105S	61	63.4	13.8	28	164			
MT1939	56	62.1	13.8	31	165			
WA8358 CL+	55	63.0	14.7	31	167	59		
WA8342R	54	63.0	13.9	27	169			
WA8387 CL+	51	62.7	14.2	30	165	54		
WA8411	49	62.5	15.0	30	162			
WA8356	49	62.1	15.1	28	164	55	46	
IDO2202 CL2+	47	63.4	14.8	28	164			
WA8412	45	62.0	15.9	30	164			
C.V.	8	0.5	3.4	4	0.5	12	14	14
LSD	6	0.4	0.7	2	1	6	5	5
Average	53	62.3	14.7	30	167	54	44	50
Highest	68	63.5	17.2	38	174	62	50	55
Lowest	40	58.6	12.8	23	162	43	35	43

Agronomic Information

Planting Date:	4/27/2023
Harvest Date:	8/17/2023
Seeding Rate (seeds/ac):	870,000
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	101
P ₂ O ₅ (lb/ac) 1-ft sample	75
S (lb/ac) 2-ft sample	24
pH (top 6 inches)	5.3

Trial Notes:

1. The nursery was located approximately 3 miles southeast of St. John, WA.
2. The nursery was fertilized at seeding at a rate of 96N, 55P, 19K, 25S, and 15Cl. An additional 123N was applied on May 6, 2023.
3. Yield was 7% lower and test weight was 2.6 lb/bu more compared to 2022.

Cooperator: Rod Mills

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