

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Dayton

Variety Name <i>Hard White Italicized</i>	2022					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)
<b>Released Varieties</b>								
Scorpio	119	59.5	11.5	34	156	117	109	113
Kairos	111	60.9	12.5	30	153	111		
WB4303	110	59.8	12.0	34	153	92	87	92
LCS Rocket	108	58.1	11.9	31	154	120	108	114
WB4311	105	62.4	12.5	33	154	100	94	95
Keldin (900,000)	104	62.0	12.0	35	155	107	100	103
Battle AX	104	62.7	12.4	35	153			
LCS Jet	103	59.1	12.3	32	156	109	102	110
Keldin (1,200,000)	101	61.6	12.3	35	156			
Keldin (750,000)	100	61.6	12.4	35	156			
Keldin (1,050,000)	99	61.4	12.6	35	157			
WB4394	99	59.9	12.7	39	155	101	91	
Canvas	97	62.0	12.5	33	153			
WB4510CLP	96	63.1	11.8	37	156			
LCS Helix AX	94	62.1	12.2	35	152			
Keldin (500,000)	91	60.9	13.2	35	158			
<b>Experimental</b>								
LWH19-0192	110	59.0	12.1	36	158			
LWH18-0122	107	58.9	12.7	30	154			
LWH19-1103	107	60.6	11.2	35	158			
WA8368	105	58.8	12.2	32	157			
LWH19-5691	101	58.9	11.2	33	157			
WA8309	97	58.4	12.3	27	158			
YSC-1002	96	61.0	12.6	32	151			
OR2170199R	95	57.4	12.3	32	157			
LWH19-5663	94	58.6	12.8	37	159			
PN13001002-04	92	59.8	11.6	42	158			
WA8340	89	56.4	12.2	36	162			
WA8369	84	57.3	13.2	31	160			
YSC-1001	82	57.8	13.2	41	160			
GHR10	67	61.1	13.8	36	152			
C.V. %	5	1.6	5.0	4	1	6	5	7
LSD (0.05)	10	2.1	1.4	3	3	7	5	5
Average	99	60.0	12.3	34	156	105	97	104
Highest	119	63.1	13.8	42	162	117	109	114
Lowest	67	56.4	11.2	27	151	92	87	92

\*Five year average does not include data from 2019 and 2021.

**Agronomic Information**

Planting Date:	9/30/2021
Harvest Date:	9/13/2022
Seeding Rate (seeds/ft <sup>2</sup> ):	21.5
Previous Crop:	Billy Beans
Spring soil test:	
N (lb/ac) 4-ft sample	373
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	213
S (lb/ac) 2-ft sample	31
pH (top 6 inches)	5.0

**Herbicides:** Zidua (4oz) was applied on November 8.

Rally, Osprey Xtra, Huskie, Rapport, and Nexicor Xemium were applied by the cooperator.

**Trial Notes:**

1. The nursery was located approximately 7.5 miles northwest of Dayton, Wa.
2. The trial was fertilized prior to seeding at a rate of 120N, 12P, 21K, 15S, 16Cl, .25Zn, .25B. An additional 42N was applied on November 5.
4. Overall yield was 12% less and test weight was 2.2 lb/bu less than 2020. No data from 2021.

**Cooperator: Kirk & Deb Fortner**