

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Dayton

Variety Name	2022					2 Year	3 Year	5 Year
	Yield	Test WT	Protein	Plant HT	Head	Average	Average	Average
<i>Hard White Italicized</i>	(Bu/A)	(Lbs/Bu)	(%)	(In)	Date	(Bu/A)	(Bu/A)	(Bu/A)
Released Varieties								
Scorpio	119	59.5	11.5	34	156			
Kairos	111	60.9	12.5	30	153			
WB4303	110	59.8	12.0	34	153			
LCS Rocket	108	58.1	11.9	31	154			
WB4311	105	62.4	12.5	33	154			
Keldin (900,000)	104	62.0	12.0	35	155			
Battle AX	104	62.7	12.4	35	153			
LCS Jet	103	59.1	12.3	32	156			
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			
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			
Experimental								
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			
LSD (0.05)	10	2.1	1.4	3	3			
Average	99	60.0	12.3	34	156			
Highest	119	63.1	13.8	42	162			
Lowest	67	56.4	11.2	27	151			

Agronomic Information

Planting Date:	9/30/2021
Harvest Date:	9/13/2022
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Billy Beans
Spring soil test:	
N (lb/ac) 4-ft sample	373
P ₂ O ₅ (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 cooperater.

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