

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Pullman

Variety Name	2022						2 Year	3 Year	5 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Lodging (%)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
Keldin (500,000)	144	63.4	12.1	40	168	0			
Keldin (900,000)	143	63.7	11.6	40	168	10			
WB4394	142	63.8	11.9	46	169	0			
LCS Rocket	140	59.2	12.1	36	168	0			
Keldin (750,000)	139	63.6	11.8	41	168	0			
Keldin (1,050,000)	139	63.5	11.9	40	168	20			
LCS Jet	136	61.6	12.3	39	167	0			
Keldin (1,200,000)	136	63.0	11.9	41	169	43			
Scorpio	133	60.7	12.6	37	167	0			
Kairos	130	61.3	12.7	35	165	0			
WB4510CLP	126	64.7	11.6	43	167	10			
WB4303	121	59.1	12.0	40	166	0			
Battle AX	117	63.2	12.5	39	164	27			
WB4311	116	62.3	12.6	40	165	7			
LCS Helix AX	113	63.1	11.5	41	165	33			
Canvas	111	63.2	11.8	39	166	3			
Experimental Lines									
LWH19-1103	150	63.2	11.6	41	167	0			
LWH19-5691	143	61.8	11.3	39	167	17			
WA8368	138	61.7	12.4	37	168	0			
WA8369	136	61.5	12.2	38	170	0			
LWH19-5663	135	61.8	12.6	38	169	0			
LWH18-0122	134	61.1	12.0	37	167	0			
LWH19-0192	134	61.6	11.9	40	169	0			
OR2170199R	129	59.7	11.8	37	170	0			
WA8340	128	60.2	12.6	40	172	0			
WA8309	127	58.3	12.6	32	170	0			
PN13001002-04	117	61.1	12.1	45	169	23			
YSC-1001	108	61.2	12.9	48	171	10			
GHR10	104	62.4	13.4	39	164	57			
YSC-1002	90	61.1	13.2	38	164	70			
C.V. %	5	0.9	2.7	3	0	96			
LSD (0.05)	15	1.2	0.7	3	1	18			
Average	129	61.9	12.2	40	168	11			
Highest	150	64.7	13.4	48	172	70			
Lowest	90	58.3	11.3	32	164	0			

Agronomic Information

Planting Date:	9/24/2021
Harvest Date:	8/27/2022
Seeding Rate (seeds/ft ²):	23.75
Previous Crop:	Canola
Spring soil test:	
N (lb/ac) 4-ft sample	406
P ₂ O ₅ (lb/ac) 1-ft sample	421
S (lb/ac) 2-ft sample	116
pH (top 6 inches)	4.4

Trial Notes:

1. The nursery was located approximately 4 miles southeast of Pullman, Wa.
2. The nursery was fertilized prior to seeding at a rate of 110N, 30K, 25S, .25B. An additional 45N was applied on November 8.
3. Overall yield was 90% greater and test weight was 4.0 lb/bu more than in 2021.

Cooperator: Kurt Druffel

Herbicides: Anthem Flex (4.25oz) and Amber (0.56oz) were applied by the cooperator on October 13.

Widematch (16oz), Tarsec (1oz), Huskie (12.5oz), Nexicor (5oz), Induce (1qt/100gal) and Standxtra/Coron/Urea (8gal) were applied by the cooperator.

Standxtra/Coron/Urea (4gal) and Nexicor (7oz) were applied by the cooperator at flagleaf.