

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Reardan

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								
WB4394	98	64.5	11.1	39				
Whistler	94	65.0	12.6	38				
Keldin (1,050,000)	93	64.2	12.8	35				
WB4303	93	63.0	12.9	33				
Keldin (900,000)	93	64.5	12.3	36				
LCS Helix AX	92	64.7	12.6	36				
LCS Jet	91	62.2	12.7	32				
Keldin (750,000)	91	64.0	12.3	35				
Canvas	90	64.8	12.3	35				
Scorpio	90	61.9	12.5	33				
WB4311	87	63.8	12.7	35				
Battle AX	84	64.5	13.5	34				
Guardian	84	65.0	13.2	36				
LCS Rocket	83	60.7	12.3	32				
Keldin (500,000)	80	63.6	12.9	33				
WB4510CLP	71	65.6	13.1	37				
Experimental Lines								
PN13001002-04	103	63.7	12.0	41				
WA8367	101	64.3	11.5	40				
WA8310	99	63.5	11.1	37				
LWH19-5691	98	62.8	11.4	34				
LWH19-1103	95	63.5	11.7	35				
YSC-1001	93	62.5	12.1	44				
LWH19-0192	90	62.8	11.9	33				
WA8338	88	62.2	12.4	38				
LWH19-5663	81	62.0	12.4	33				
YSC-1002	80	62.5	12.7	36				
WA8318 CL+	77	62.7	12.0	43				
OR2170199R	72	60.3	12.7	31				
LWH18-0122	67	60.9	13.9	28				
GHR10	66	63.5	15.6	36				
C.V. %	8	0.7	5.1	6				
LSD (0.05)	14	1.0	1.4	5				
Average	87	63.3	12.5	36				
Highest	103	65.6	15.6	44				
Lowest	66	60.3	11.1	28				

Agronomic Information

Planting Date:	9/14/2021
Harvest Date:	8/19/2022
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	163
P ₂ O ₅ (lb/ac) 1-ft sample	138
S (lb/ac) 2-ft sample	15
pH (top 6 inches)	5.0

Herbicides: Zidua (4oz) was applied on September 16.

Olympus (0.9oz), Bronate (22oz), LIXP (0.1oz), Tilt (4oz), Azoxystrobin (4oz), and Urea (2gal) applied by the cooperator. Nexicor (13oz) was applied on June 17.

Trial Notes:

1. The nursery was located approximately 4 miles west of Reardan, Wa.
2. The nursery was not fertilized prior to seeding. A rate of 170N, 2P was applied on November 16 after fall soil sampling.
3. Overall yield was 58% greater and test weight was 2.7 lb/bu more than in 2021.
4. Late winter freeze damage occurred on entries that broke dormancy early and affected rankings.

Cooperator: Jim Baye