

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Bickleton

Variety Name	2022					2 Year	3 Year	4 Year
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<i>Released Varieties</i>								
Keldin (1,050,000)	41	61.6	7.6	32				
Keldin (750,000)	41	61.7	8.0	34				
Keldin (900,000)	41	61.4	7.4	31				
Scorpio	41	58.8	8.5	30				
WB4303	34	59.9	8.3	30				
WB4510CLP	33	62.9	8.0	32				
Keldin (500,000)	32	61.3	7.7	33				
Whistler	31	61.3	7.7	33				
LCS Jet	31	57.5	7.7	28				
Battle AX	31	60.3	7.8	31				
Guardian	30	61.7	7.9	33				
LCS Helix AX	30	61.3	9.5	30				
WB4394	30	61.2	7.5	33				
WB4311	30	61.0	7.5	29				
Keldin (350,000)	29	61.7	8.2	33				
Sequoia	28	60.3	7.3	37				
<i>Experimental Lines</i>								
LWH19-5691	40	58.5	8.8	30				
WA8338	39	58.5	7.7	34				
LWH19-5663	34	58.9	7.7	32				
PN13001002-04	33	59.7	8.5	32				
LWH19-1103	32	60.0	8.1	30				
LWH18-0122	30	58.4	8.3	27				
YSC-1002	29	60.4	9.0	29				
WA8310	29	60.2	7.7	33				
WA8367	28	61.2	8.2	32				
OR2170199R	28	59.3	8.6	31				
YSC-1001	26	59.6	8.2	33				
LWH19-0192	26	58.8	7.5	30				
GHR10	24	61.9	8.9	31				
WA8318 CL+	23	60.1	7.6	34				
C.V. %	13	0.6	5.1	5				
LSD (0.05)	8	0.8	0.8	3				
Average	32	60.3	8.0	32				
Highest	41	62.9	9.5	37				
Lowest	23	57.5	7.3	27				

Agronomic Information

Planting Date:	10/28/2021
Harvest Date:	8/11/2022
Seeding Rate (seeds/ft ²):	12.5
Previous Crop:	Spring Wheat
Spring soil test:	
N (lb/ac) 3-ft sample	47
P ₂ O ₅ (lb/ac) 1-ft sample	217
S (lb/ac) 2-ft sample	19
pH (top 6 inches)	5.2
Herbicides: Zidua (4oz) was applied on November 10.	

Trial Notes:

1. The nursery was located approximately 2.5 miles northeast of Bickleton, Wa.
2. The nursery was fertilized at planting at a rate of 17N, 34P, 9K, 9S, 7Cu. An additional 67N was applied on November 22.
3. Overall yield was 77% greater and test weight was 7.1 lb/bu more than 2021.

Cooperator: Andy & Ron Juris