

2022 WSU Variety Testing Hard Red Winter Wheat Trial, Lamont

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									
Scorpio	129	62.0	11.4	40	160	0	115	105	
LCS Jet	123	62.4	11.8	40	160	0	112	105	117
LCS Rocket	120	60.6	11.0	39	159	11			
WB4303	118	60.6	11.9	41	157	5	113	102	110
WB4394	116	64.1	11.0	47	160	27	110	105	
Keldin (750,000)	114	63.4	11.5	41	159	54			
WB4311	111	64.4	11.7	40	159	10	103	94	97
Keldin (1,050,000)	110	63.8	11.0	42	159	47			
Keldin (500,000)	109	63.7	11.5	42	159	10			
Canvas	104	64.0	11.7	40	158	0	100		
Keldin (900,000)	103	63.5	11.4	42	160	59	104	97	111
Whistler	95	61.8	11.6	42	159	63	93		
WB4510CLP	92	64.0	10.9	41	160	41			
Battle AX	91	62.4	12.4	40	156	44	96		
LCS Helix AX	86	62.9	11.9	40	158	64			
Guardian	83	62.8	11.8	43	158	81	91		
Experimental Lines									
LWH19-1103	133	63.8	10.9	42	160	19			
LWH19-5663	130	63.3	11.4	41	160	5			
LWH19-0192	126	63.1	11.5	41	160	0	117		
LWH19-5691	122	62.0	10.5	39	160	6			
LWH18-0122	120	61.9	12.1	38	158	0	112		
OR2170199R	110	60.6	11.6	37	160	0	97		
WA8310	110	63.1	10.6	45	161	33	112	106	
PN13001002-04	109	61.9	11.3	46	162	24			
WA8367	107	65.1	12.7	45	165	57			
WA8338	106	62.0	12.1	45	161	45	106		
YSC-1001	91	61.7	11.8	43	165	29	87		
GHR10	81	62.7	13.5	41	156	88			
YSC-1002	72	61.1	12.4	39	157	84	76		
WA8318 CL+	67	62.2	11.7	46	166	86	72	74	
C.V. %	6	0.7	2.5	4	0	56	7	7	9
LSD (0.05)	15	0.9	0.6	4	1	41	9	6	7
Average	106	62.7	11.6	42	160	33	101	98	109
Highest	133	65.1	13.5	47	166	88	117	106	117
Lowest	67	60.6	10.5	37	156	0	72	74	97

Agronomic Information

Planting Date:	920/21
Harvest Date:	8/5/2022
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	277
P ₂ O ₅ (lb/ac) 1-ft sample	150
S (lb/ac) 2-ft sample	22
pH (top 6 inches)	5.5

Herbicides: Zidua (4oz) was applied on October 18.

Powerflex (2oz), Huskie (13oz), Slant (4oz), and M90 (1qt/100gal) were applied by the cooperator.

Trial Notes:

1. The nursery was located approximately 4 miles west of Ewan, Wa.
2. The nursery was fertilized prior to seeding at a rate of 85N, 10P, 10K. An additional 100N was applied on November 8.
3. Overall yield was 5% greater and test weight was 0.8 lb/bu more than in 2021.

Cooperator: Rod Mills