

2021 OSU/WSU Variety Testing Hard Winter Wheat Trial, Eureka

Variety Name	2021					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	49	63.4	12.6	24	--	42	45	
LCS Jet	47	62.7	13.0	23	--	38	45	58
Battle AX	47	65.0	12.4	24	--			
Guardian	46	65.3	13.2	24	--	38		
<i>Millie</i>	46	65.1	13.6	24	--	35	37	
Keldin	44	64.7	13.2	27	--	37	45	58
AP18 AX	44	64.0	12.9	24	--			
LCS Rocket	43	61.8	12.8	23	--	37	44	59
WB4394	42	64.5	13.6	28	--	35	47	
Canvas	41	66.2	12.8	23	--	34		
WB4303	41	64.1	13.6	24	--	33	45	54
LCS Evina	40	61.4	14.0	26	--	35	43	54
LCS Fusion AX	39	63.6	12.5	22	--			
Kairos	39	62.5	13.7	21	--	33		
<i>Irv</i>	39	64.0	12.9	24	--	36	41	48
<i>UI Bronze Jade</i>	37	63.3	12.5	26	--	33	42	
WB4311	36	64.5	14.0	22	--	31	41	54
Experimental Lines								
LWH19-0192	50	63.3	12.7	23	--			
LWH18-0122	48	62.3	13.4	22	--			
OR2160011R	47	62.7	12.8	23	--	40	51	
<i>OR2160025H</i>	46	62.6	12.8	23	--			
LWH19-0907	45	63.3	12.9	22	--			
WA8340	45	63.7	12.5	26	--			
<i>IDO2006</i>	45	64.9	13.0	26	--			
PN13201002-04	45	64.7	13.1	27	--			
WA8309	43	62.7	13.8	20	--	36	39	
WA8339	43	63.6	13.2	24	--			
<i>OR2170052H</i>	42	62.8	13.0	25	--	35		
OR2180100R	41	60.7	11.6	20	--			
OR2180056R	41	62.6	12.7	24	--			
<i>OR2150168H</i>	40	64.3	13.7	23	--	34	43	
<i>OR2160065H</i>	40	63.7	14.0	25	--			
YSC-1001	39	62.2	14.5	29	--			
<i>IDO1906</i>	35	62.7	14.5	22	--			
OR2170199R	33	64.3	13.1	23	--			
YSC-1002	31	63.6	14.7	19	--			
C.V. %	5	0.8	2.4	4	--	5	6	7
LSD (0.05)	3	0.9	0.5	2	--	2	2	3
Average	42	63.5	13.2	24	--	36	44	55
Highest	50	66.2	14.7	29	--	42	51	59
Lowest	31	60.7	11.6	19	--	31	37	48

Agronomic Information

Planting Date:	10/8/2020
Harvest Date:	7/21/2021
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	133
P ₂ O ₅ (lb/ac) 1-ft sample	192
S (lb/ac) 2-ft sample	19
pH (top 6 inches)	5.3
Herbicide: Herbicides were applied by the cooperator	

Trial Notes:

1. The Eureka nursery was located 1 mile SE of Eureka, WA.
2. The nursery was fertilized prior to seeding at a rate of 80N, 20S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 33% lower than 2020 and test weight was 0.4 lb/bu less.

Cooperator: George Struthers