

2018 WSU Variety Testing Hard Winter Wheat Trial, Walla Walla

Variety Name	2018						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)
<i>Released Varieties</i>									
LCS Rocket (NSA10-2196)	138	62.1	10.6	37	134	0	136	139	
LCS Evina	137	63.5	12.2	46	140	0	138		
LCS Aymeric	125	61.8	10.1	36	134	0	136		
WB4303	123	63.0	11.0	38	130	0	123		
LCS Abraham	122	61.6	11.2	37	133	0			
LCS Jet	121	62.7	11.4	37	134	0	137	137	123
Langin	116	63.2	10.9	36	128	8			
Mandala	114	64.2	11.5	44	139	0	118		
WB-Arrowhead	112	64.0	11.3	44	135	0	106	112	111
Keldin	111	64.1	11.7	40	136	0	115	122	118
Norwest 553	110	63.5	11.7	35	136	0	121	125	114
SY Touchstone	109	63.9	11.7	35	136	0	127	122	
Whetstone	108	64.0	11.4	42	135	0	108	111	110
WB4311	106	64.5	11.4	38	131	0	118		
Metropolis	99	64.4	11.8	35	131	0	110		
Rebelde	94	65.1	13.2	34	132	0	113		
<i>Experimental Lines</i>									
NSA12-2472	141	62.8	11.0	43	132	0			
WA 8289	132	63.0	10.6	37	136	0			
XB4542	128	65.2	11.2	45	135	0			
WA 8288	127	63.3	11.2	36	137	0			
OR2120358H	126	63.6	11.6	41	138	0			
WA 8294	119	62.6	12.8	39	138	0			
WA 8268	115	63.0	11.4	38	136	0	132		
CO12D2011	113	65.4	11.7	41	132	33			
OR2130021R	112	63.8	11.7	39	137	0	122		
LWW14-73915	110	61.4	10.6	39	132	0	118		
YS-401	109	63.3	11.3	45	129	17			
OR2110679	108	63.7	10.7	41	136	0			
OR2130118H	107	65.1	11.4	38	137	0			
OR2140074R	105	62.7	11.5	37	137	0			
C.V. %	8	0.5	3.8	3	1	518	7	6	7
LSD (0.05)	13	0.5	0.6	2	1	14	8	6	5
Average	117	63.5	11.4	39	135	2	122	124	115
Highest	141	65.4	13.2	46	140	33	138	139	123
Lowest	94	61.4	10.1	34	128	0	106	111	110

Agronomic Information

Planting Date:	10/4/2017
Harvest Date:	8/07/2018
Seeding Rate (seeds/ft ²):	21
Previous Crop:	
Spring soil test:	
N (lb/ac) 4-ft sample	247
P (ppm-bicarb) 2-ft sample	109
S (lb/ac) 2-ft sample	40
pH (top 6 inches)	5.07
Herbicide:	
Herbicides and fungicides applied by grower	

Trial Notes:

1. The Walla Walla nursery was located about 11 miles east of Walla Walla, WA.
2. The nursery was fertilized prior to planting by the cooperator. An additional 47N was applied in the spring after soil sampling.
3. Overall yield was 9% less than 2017 and grain test weight was 0.1 lb/bu more than last year.

Cooperator M Lyons