

2020 WSU Variety Testing Soft Winter Wheat Trial, St. John

Variety Name <i>Club Italicized</i>	2020					2 Year	3 Year	5 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>								
LCS Ghost	140	59.0	7.7	36	152	130	129	
LCS Hulk	136	63.7	8.7	35	154	118	114	126
Rosalyn	136	60.2	8.3	35	155	120	124	139
LCS Blackjack	134	59.5	8.8	35	153	125	127	
Jasper	133	61.0	8.8	38	153	118	118	
LCS Shine	131	61.3	8.6	32	152			
Purl	130	61.8	8.9	37	150	114	113	125
<i>ARS-Crescent</i>	130	61.2	8.5	41	154	113	114	121
M-idas	129	62.3	9.5	34	151			
LCS Artdeco	129	61.3	9.3	34	151	116	114	123
AP Dynamic	129	61.2	8.6	37	153			
Puma	128	62.1	8.1	40	154	113	112	119
SY Raptor	127	61.3	10.4	36	152	116	113	
Norwest Duet	127	61.3	8.0	41	155	113	114	125
Nixon	124	61.6	9.7	37	152	111	111	
<i>Pritchett</i>	124	60.1	9.5	40	153			
Dyna-Gro Impact	123	62.2	9.6	35	153	110	110	
YS-215	123	62.0	8.5	37	152			
WB1783	122	63.4	8.9	37	153	113	109	
UI Sparrow	122	59.8	9.3	40	156	111	111	119
OR2x2 CL+	122	61.9	9.9	37	153	108	109	
SY Dayton	122	62.2	9.3	35	154	111	112	123
UI Castle CL+	121	62.0	9.8	38	154	105	107	118
M-press	119	60.6	8.7	34	153	109	111	
WB1532	119	62.5	9.7	35	153			
Norwest Tandem	119	61.9	8.9	31	151	111	110	
Xerpha	119	61.1	8.8	37	154	113	111	114
AP Iliad	119	62.2	9.1	37	152	111		
VI Bulldog	118	62.3	8.9	34	152	114	113	127
<i>ARS-Castella</i>	115	62.2	9.7	40	152	109	110	117
Stingray CL+	115	61.5	9.6	34	154	109	107	
WB1529	114	63.8	10.2	34	153	105	106	113
Resilience CL+	114	61.6	9.5	35	156	103	100	115
LCS Shark	112	59.7	10.0	33	151	101	104	
LCS Drive	111	59.9	9.4	30	150	106	105	
YS-201	111	61.6	10.5	35	151	102		
UI Magic CL+	108	60.9	9.4	34	151	103	105	118
WB1604	107	63.0	10.0	34	151	100	104	120
Appleby CL+ (ORI2161250 CL+)	106	62.3	9.1	37	152	101		
<i>Experimental Lines</i>								
WA 8305 CL+	138	61.6	9.2	39	152	127		
WA 8306 CL+	136	60.7	8.4	41	154	121		
WA 8293	135	61.8	8.2	37	153	119	113	
LWW16-71088	135	61.6	9.0	33	153			
WA 8307	133	60.6	9.1	39	154	120		
UIL 17-6268 CL+	133	61.7	8.5	33	153	112		

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X61-1	131	61.9	8.4	38	154			
<i>ARS09X492-6CBW</i>	128	61.6	9.6	39	155	115		
LWWC18-5477 CL+	128	60.9	9.0	37	151			
LWWC18-5475 CL+	124	61.6	8.9	35	153			
OR2140401	121	59.9	8.6	35	151			
11PN042#02	118	59.2	8.4	35	152			
<i>OR5170022</i>	117	61.8	9.1	36	151			
<i>ARSX12016-45CBW</i>	115	61.7	9.3	37	156			
C.V. %	7	1.0	9.0	4	1	8	7	6
LSD (0.05)	13	1.2	1.6	3	4	10	7	6
Average	124	61.5	9.1	36	153	112	112	121
Highest	140	63.8	10.5	41	156	130	129	139
Lowest	106	59.0	7.7	30	150	100	100	113

Agronomic Information

Planting Date:	10/3/2019
Harvest Date:	8/3/2020
Seeding Rate (seeds/ft ²):	21
Previous Crop:	
Spring soil test:	
N (lb/ac) 4-ft sample	188
P (ppm-bicarb) 2-ft sample	29
S (lb/ac) 2-ft sample	32
pH (top 6 inches)	4.9

Trial Notes:

1. The St. John nursery was located about 3 miles E of St. John, WA.
2. Overall yield was 24% greater than 2019 and test weight was 2.6 lb/bu more.

Cooperator: Rod Mills