

2022 WSU Variety Testing Soft White Winter Wheat Trial, St. John

Variety Name <i>Club Italicized</i>	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									
LCS Shine	142	61.5	10.7	37	162	27	120	121	
LCS Blackjack	134	60.7	10.6	41	165	0	121	125	128
LCS Hulk	131	62.3	11.1	43	165	23	110	117	112
Purl	129	62.1	11.1	42	162	40	111	113	108
AP Exceed	127	62.1	10.9	42	160	20	108		
VI Presto CL+	127	63.0	10.9	46	166	20	97		
AP Dynamic	126	61.5	11.0	44	166	0	103	107	
SY Dayton	125	62.3	10.8	43	163	3	110	112	115
Resilience CL+	124	61.8	11.0	41	165	0	102	103	98
VI Voodoo CL+	123	61.2	10.6	36	164	0	107	115	
Stingray CL+	123	61.1	10.8	40	165	10	102	104	105
ARS-Selbu 2.0	122	62.8	11.2	44	167	13	100		
LCS Jefe (LWW17-8185)	121	61.7	10.0	42	164	3	110		
Cameo (ARSX09492-6C)	120	61.6	10.9	46	165	10	106	111	
Norwest Duet	119	61.3	10.1	48	167	30	105	106	107
Appleby CL+	119	62.5	10.7	43	163	0			
WB1720	119	63.5	10.9	44	168	17			
TMC M-Press	118	61.4	10.7	42	165	3	104	109	105
WB1621	116	64.2	10.6	44	164	42			
TMC M-Pire (TMC2021SWW)	114	62.6	10.9	38	163	0			
Piranha CL+	114	60.5	10.3	44	165	58	107	117	
SY Assure	114	61.6	11.3	41	161	17			
WB1529	111	62.6	11.3	42	163	28			
Norwest Tandem	110	60.8	10.6	38	163	0	98	102	107
AP Iliad	108	60.9	11.7	42	162	33	102	107	
ARS-Crescent	106	61.9	10.4	43	169	60	93	105	107
Sockeye CL+	105	59.7	10.0	44	165	68	97	110	
Pritchett	101	59.4	10.5	44	167	63	98	107	
UI Magic CL+	96	61.4	11.0	38	163	0	90	95	103
Castella	91	62.7	12.4	45	164	60	93	99	103
YSC-215	86	57.4	10.4	44	165	17	87	98	
Experimental Lines									
UIL14-085001A	134	61.0	10.3	43	166	7			
WA8336	126	60.5	10.4	41	166	33	112		
WA8307	126	61.5	11.3	45	167	17	111	115	
UIL17-7706 CL+	124	62.3	10.6	41	165	23	105		
LWW19-6591	123	61.2	10.5	44	164	27			
LWW19-6219	122	62.0	11.3	42	165	7			
GS3	121	60.8	10.7	46	166	23			
09PN118-02 CL2	120	61.2	10.7	42	166	17	105		
UIL15-028024	120	63.1	9.9	43	167	13	100		
LWW17-5877	120	61.9	11.3	40	161	27	115		
OR2190025CL+	117	61.5	11.4	40	162	7	99		
OR2130755	117	61.9	11.2	47	164	0			
ARSX09500-17CBW	117	63.0	10.8	44	164	30	109		
WA8346 AX	111	61.2	10.7	46	165	40			
YSC-93	109	61.2	10.1	43	163	50	98		
WA8370	108	62.3	10.7	43	164	17			
WA8366	107	60.4	10.6	43	167	47			
WA8349 AX	106	62.4	11.4	46	161	50			
OR5180071	105	62.0	10.9	39	168	3			
OR2190027 CL+	104	61.9	11.8	39	163	13			

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WA8345 AX	103	61.5	11.0	45	166	45			
WA8347 AX	100	63.4	11.3	47	164	33			
<i>ARS14DH1014-C</i>	91	60.5	10.8	42	168	73			
C.V.	6	0.9	3.3	4	1	91	10	11	14
LSD	13	1.3	0.7	4	2	36	12	11	11
Average	116	61.6	10.8	43	165	23	104	109	108
Highest	142	64.2	12.4	48	169	73	121	125	128
Lowest	86	57.4	9.9	36	160	0	87	95	98

Agronomic Information

Planting Date:	9/20/2021
Harvest Date:	8/29/2022
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	292
P ₂ O ₅ (lb/ac) 1-ft sample	108
S (lb/ac) 2-ft sample	33
pH (top 6 inches)	5.0

Trial Notes:

1. The nursery was located approximately 3 miles southeast of St. John, Wa.
2. The nursery was fertilized prior to seeding at a rate of 95N, 15P, 15K. No additional fertilizer was applied after fall soil sampling.
3. Overall yield was 25% greater and test weight was 3.7 lb/bu more than 2021.

Cooperator: Rod Mills

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

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