

2021 WSU Variety Testing Soft Winter Wheat Trial, Pasco

Variety Name	2021					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 Shine	156	61.9	11.7	34	138			
AP Exceed (11PN039#20)	156	60.9	12.0	38	136			
LCS Artdeco	152	59.3	11.4	36	136	140	99	131
YSC-93	147	58.7	12.6	40	138			
LCS Drive	147	58.7	12.1	32	136	141	105	
AP Iliad	146	59.7	12.7	40	139	129		
LCS Blackjack	146	56.1	12.2	39	141	150	97	
SY Dayton	143	59.4	11.9	39	141	148	89	112
WB1529	142	62.3	12.1	39	141	139	98	113
WB1604	140	61.0	12.3	37	138	135	88	131
WB1783	140	60.9	12.5	40	140	130	103	
Purl	137	59.1	12.5	40	140	135	92	
LCS Hulk	137	60.5	12.6	38	142	144	90	152
UI Magic CL+	136	60.3	12.9	37	139	130	85	132
YSC-215	136	58.9	13.1	40	143			
Norwest Tandem	136	59.5	11.8	35	138	130	96	
M-press	135	58.4	12.5	39	142	127		
Piranha CL+ (WA8305 CL+)	135	56.6	13.1	45	142	131		
PNW Hailey	134	59.7	12.7	40	141	143	93	
Puma	134	59.4	13.4	43	142	126	86	131
UI Sparrow	133	56.6	12.7	45	144	141		
Nixon	132	59.4	12.3	41	139	142	82	
Norwest Duet	131	57.5	13.1	44	143	132	86	118
Jasper	129	54.9	13.2	42	142	121	80	
YSC-122	128	57.8	12.8	38	140			
Resilience CL+	124	59.3	12.8	37	142	145	81	126
Sockeye CL+ (WA8306 CL+)	122	55.4	13.0	41	143	145		
Stingray CL+	122	56.5	13.5	39	141	135	82	
ARS-Selbu	122	57.4	13.5	41	144			
OR2X2 CL+	117	57.1	13.4	40	143	106	68	
<i>Experimental Lines</i>								
LWW17-5877	154	60.8	12.4	38	135			
ORI2190025 CL+	151	59.3	12.8	38	134			
WA8307	149	58.1	13.2	42	144	151		
UIL 13-046145A	145	59.1	12.3	40	140			
UIL 15-028024	143	61.6	12.3	41	142			
WA8336	142	56.5	11.9	38	141			
WA8335	140	57.0	12.4	38	142			
UIL 13-553051A	139	57.5	12.8	41	141			
X61-1	138	58.2	13.3	42	142			
OR2160243	137	57.5	12.4	40	140			
LWW18-5080	137	58.2	12.2	37	138			
WA8337	136	57.7	12.2	37	142			
LWW17-8185	134	58.9	11.9	39	140			
OR2160264	133	58.8	13.1	39	140			
IDO2008	129	56.4	12.9	41	143			
ORI2190016 CL+	122	57.2	13.1	24	137			
GS2	119	57.4	13.6	40	144			

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<b>C.V. %</b>	5	2.3	1.8	3	1	7	8	10
<b>LSD (0.05)</b>	13	2.6	0.5	3	2	13	9	14
<b>Average</b>	137	58.5	12.6	39	140	136	90	122
<b>Highest</b>	156	62.3	13.6	45	144	151	107	152
<b>Lowest</b>	117	54.9	11.4	24	134	106	68	96

### Agronomic Information

Planting Date:	11/2/2020
Harvest Date:	7/9/2021
Seeding Rate (seeds/ft <sup>2</sup> ):	24
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	97
P (ppm-bicarb) 2-ft sample	769
S (lb/ac) 2-ft sample	41
pH (top 6 inches)	7.0

### Trial Notes:

1. The Pasco soft white winter wheat nursery was located 16 miles SE of Pasco, WA.
2. Overall yield was the same as 2019 (no trial in 2020) and test weight was 2.9 lb/bu less.
3. Yields were lower than fall planted spring wheat due to the late plant date. Trial was not fertilized prior to seeding.

**Cooperator: Simplot**