

2021 WSU Variety Testing Soft Winter Wheat Trial, Walla Walla

Variety Name <i>Club Italicized</i>	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>								
M-idas	92	59.9	10.0	32	131	111		
LCS Artdeco	90	59.0	10.8	31	134	112	109	124
SY Assure	89	61.2	12.0	31	134	107	106	114
Xerpha	87	58.8	11.7	37	141	101	105	113
Puma	87	60.4	11.7	38	138	110	109	123
Jasper	86	56.1	12.6	35	138	108	108	116
LCS Shine	84	59.7	10.6	29	135	113	108	122
WB1529	84	62.4	11.6	31	137	103	103	111
AP Iliad	84	58.8	11.7	32	136	108	109	
Norwest Duet	83	59.6	11.8	37	139	111	109	118
AP Exceed (11PN039#20)	82	61.7	10.3	34	131			
PNW Hailey	82	60.9	11.7	33	137			
WB1783	82	61.2	12.4	34	137	107	108	114
LCS Drive	81	59.0	11.2	28	134	95	92	109
AP Dynamic	81	56.8	12.2	34	140	104		
Purl	81	58.8	12.1	35	137	110	111	120
M-press	80	58.5	11.7	34	139	113	114	
Nixon	80	59.5	11.3	36	136	105	106	116
SY Dayton	79	58.8	11.9	32	137	112	114	123
Mary	79	58.3	12.4	31	137	107	107	118
ARS-Selbu	79	59.8	12.0	34	140			114
Rosalyn	79	55.6	11.4	33	138	102	105	123
Norwest Tandem	79	60.3	11.1	29	135	103	105	120
YSC-93	79	59.7	11.3	33	136			
Bobtail	78	54.7	11.7	32	139	100	106	123
LCS Hulk	78	60.1	11.9	34	137	105	103	114
LCS Blackjack	77	55.6	11.5	33	138	110	110	
ARS-Crescent	77	57.9	11.9	35	140	104	109	115
<i>Pritchett</i>	77	58.3	11.0	35	139	104	104	
WB1604	76	58.7	12.1	32	135	97	97	112
<i>ARS-Castella</i>	76	57.4	10.8	34	137	105	109	
YSC-215	76	59.9	11.5	34	138			
Stephens	69	57.7	11.6	32	136	98	100	109
<i>Experimental Lines</i>								
LWW17-8185	88	60.2	10.5	33	137	114		
WA8335	87	57.5	11.5	34	138			
X61-1	87	58.9	12.7	37	139	113		
LWW18-5078	86	60.3	11.6	36	139			
LWW17-5877	85	61.1	11.6	33	133			
<i>ARSX09500-17CBW</i>	85	60.6	11.9	35	137			
UIL 13-046145A	84	60.1	10.8	33	137			
WA8307	83	54.3	12.1	36	140	112	116	
LWW18-5080	83	60.1	11.5	32	135			
WA8336	82	56.7	10.9	31	137			
OR5180071	82	56.2	12.2	35	140			
LWW18-1171	82	56.8	11.2	36	137			

ARSX500-14CBW	82	59.1	12.2	34	136			
OR2170559	81	58.3	12.3	31	137			
UIL 15-028024	80	61.1	11.3	34	138			
WA8337	79	60.0	10.9	31	137			
ARS09X492-6CBW	78	55.8	13.6	33	139	105	106	
UIL 13-553051A	78	59.2	11.9	33	137			
OR2130755	77	60.6	11.9	35	135	100	99	
LWW17-5815	77	58.4	13.3	33	140			
OR2160243	76	58.9	11.6	32	136			
IDO2008	75	60.0	11.9	36	140			
LWW18-0587	75	59.1	11.5	38	138			
ARS14DH1122-26	74	58.5	12.8	33	141			
OR2160264	73	59.7	11.8	33	135			
IDO1708	71	58.4	11.4	31	136			
OR5170022	70	56.7	13.3	31	138	94		
<b>C.V.</b>	6	2.8	5.4	4	1	7	7	8
<b>LSD</b>	8	2.6	1.0	2	1	9	7	6
<b>Average</b>	80	58.9	11.7	33	137	106	106	117
<b>Highest</b>	92	62.4	13.6	38	141	114	116	124
<b>Lowest</b>	69	54.3	10.0	28	131	94	92	109

#### Agronomic Information

Planting Date:	10/15/2020
Harvest Date:	7/14/2021
Seeding Rate (seeds/ft <sup>2</sup> ):	21.5
Previous Crop:	Garbanzos
Spring soil test:	
N (lb/ac) 4-ft sample	344
P <sub>2</sub> O <sub>5</sub> (lb/ac) 1-ft sample	430
S (lb/ac) 2-ft sample	32
pH (top 6 inches)	4.7

#### Trial Notes:

1. The Walla Walla nursery was located 5.5 miles NE of Walla Walla, WA.
2. The nursery was fertilized prior to seeding at a rate of 160N, 10P, 10K, 15S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 38% lower than 2020 and test weight was 3.2 lb/bu less.

**Cooperator: Jason Lynch & Jay Nowogroski**

Herbicide: Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on March 18, 2021.