

2021 WSU Variety Testing Soft Winter Wheat Trial, Ritzville

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>								
Norwest Tandem	55	59.7	10.3	25	140	60	63	
Stingray CL+	51	59.4	11.3	28	141			
Piranha CL+ (WA8305 CL+)	49	60.0	10.3	29	141	58		
VI Presto CL+ (UIL 17-6451 CL+)	49	61.7	11.0	30	141	56		
SY Command	49	58.3	9.9	27	140	56	61	
<i>Pritchett</i>	49	60.8	10.2	29	142	55	67	65
M-press	49	59.4	10.5	25	141	55	62	
Devote	49	60.5	10.6	28	145	56	67	
LCS Shine	49	59.3	9.9	23	139	58	67	
Otto	47	58.9	10.9	28	148	53	61	60
WA8333	47	59.8	10.4	30	144			
Appleby CL+	46	60.1	11.2	28	139	53		
VI Voodoo CL+ (UIL 17-6268 CL+)	46	58.8	11.3	24	143			
Jasper	46	58.3	11.0	29	142	53	63	62
M-Idas	46	58.8	10.4	24	139			
UI Magic CL+	45	59.9	12.0	24	141	51	57	
LCS Hulk	44	58.9	11.4	26	142	52	61	
Purl	44	60.4	10.5	27	140			
AP Dynamic	44	58.7	10.3	27	145	55		
VI Frost	44	60.8	12.3	28	141	50	59	
Puma + Zn	43	59.8	11.1	28	141			
YSC-215	43	59.1	11.5	28	142			
Norwest Duet	43	59.5	11.3	29	145	52	61	63
LCS Sonic	43	58.6	11.2	28	141	52	63	
<i>ARS-Castella</i>	43	58.9	10.0	27	142	50	61	63
Mela CL+	42	59.8	10.4	28	145	52	62	61
YSC-93	42	60.3	11.3	25	140			
Curiosity CL+	41	58.8	11.1	28	146	53	63	60
Resilience CL+	40	60.2	11.8	26	144			
<i>ARS-Crescent</i>	40	58.5	10.2	26	146	52	63	61
Puma	40	59.4	11.1	28	141	51	61	61
WB1783	40	61.5	11.1	27	141	50	58	
WB1529	39	60.3	11.4	25	140	48	58	60
<i>Experimental Lines</i>								
UIL 17-7706 CL+	54	60.1	10.7	25	140			
LWW18-5080	50	58.7	10.5	25	143			
LWW17-5877	49	58.9	11.0	25	140			
LWW17-8185	48	60.2	10.2	26	142			
WA8334	47	60.1	10.1	27	143			
WA8331	47	58.0	10.7	29	143			
IDO2008	46	59.2	11.8	27	145			
LWW18-0587	46	58.8	10.4	28	142			
09PN118-02 CL2	45	58.3	12.3	28	143			
WA8332	45	58.2	11.7	29	143			
GS2	44	60.9	11.2	29	144			
<i>ARSX12097-8D</i>	44	58.9	10.7	27	146			

LWW17-5815	44	59.1	11.3	27	144			
OR2130755	43	59.6	10.9	27	141			
UIL 13-553051A	41	58.4	11.7	24	139			
ORI2190025 CL+	40	58.2	11.2	28	140			
WA8290	38	58.5	11.4	28	144	51	59	
OR5170022	38	60.2	13.0	23	144			
WA8317	37	60.4	11.3	25	145			
ARSX12015-68CBW	34	57.3	10.9	25	146			
C.V.	10	0.9	4.1	4	1	9	9	8
LSD	7	0.9	0.7	2	2	5	5	4
Average	45	59.4	11.0	27	142	53	62	62
Highest	55	61.7	13.0	30	148	60	70	67
Lowest	34	57.3	9.9	23	139	48	57	60

Agronomic Information

Planting Date:	9/16/2020
Harvest Date:	7/21/2021
Seeding Rate (seeds/ft ²):	12.5
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	186
P ₂ O ₅ (lb/ac) 1-ft sample	383
S (lb/ac) 2-ft sample	21
pH (top 6 inches)	5.5

Trial Notes:

1. The Ritzville nursery was located 4.5 miles NW of Ritzville, WA.
2. The nursery was fertilized prior to seeding at a rate of 60N, 10S. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 25% lower than 2019 (no data from 2020) and test weight was 1.3 lb/bu more.

Cooperator: Ron Jirava

Herbicide: Zidua (2oz) was applied on October 9, 2020.

Osprey Xtra (4.75oz), Huskie (15oz), Miravis Ace (7oz), and Tilt (2oz) were applied on April 1, 2021.