

2021 WSU Variety Testing Soft Winter Wheat Trial, Dayton

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	Drought† (1-9 rating)	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
Released Varieties									
AP Iliad	58	56.4	11.9	27	141	1	93	90	
LCS Artdeco	58	58.1	10.4	24	142	1	94	91	105
LCS Drive	57	53.8	11.9	23	140	1	87	85	96
VI Presto CL+ (UIL 17-6451 CL+)	55	60.8	12.7	30	145	1			
Piranha CL+ (WA8305 CL+)	54	56.1	11.6	30	146	1	92		
AP Exceed (11PN039#20)	53	57.8	11.7	26	140	2			
LCS Hulk	53	58.0	12.4	29	146	3	91	90	98
UI Magic CL+	53	57.2	12.6	26	144	1	83		
WB1783	52	59.0	12.4	25	144	2	88	85	93
Nixon	51	55.2	11.9	28	147	3	88	87	99
SY Dayton	51	56.9	12.3	26	144	3	91	89	102
M-press	51	57.7	12.1	27	147	2	91	90	
LCS Shine	51	56.9	12.2	25	145	2	90	87	101
AP Dynamic	51	58.8	12.6	28	147	2	92		
ARS-Castella	51	56.3	12.4	25	142	1	87	84	
LCS Blackjack	50	57.7	12.6	25	145	3	91	92	
PNW Hailey	49	58.3	12.7	27	144	1			
Sockeye CL+ (WA8306 CL+)	49	57.0	12.3	31	147	2	91		
VI Voodoo CL+ (UIL 17-6268 CL+)	49	56.3	13.7	26	146	5	90		
YSC-215	48	59.4	11.6	25	146	1	75		
Stingray CL+	47	57.3	13.2	27	146	2	86		
Jasper	47	57.4	13.6	28	148	1	89	85	95
Pritchett	47	57.2	12.4	25	145	3	89	85	
Norwest Tandem	46	55.2	12.2	27	141	2	86	84	100
Purl	46	58.1	12.5	26	146	4	89	86	98
Resilience CL+	44	57.8	12.9	27	148	2	81		
Puma	44	56.6	13.1	28	148	1	80	81	92
WB1604	44	55.9	13.5	26	140	2	77	74	88
YSC-93	43	56.5	13.1	24	142	2			
Norwest Duet	42	56.2	13.2	27	148	1	84	84	96
OR2X2 CL+	42	58.0	13.7	29	146	1	82		
ARS-Selbu	39	58.4	13.5	25	147	1			
ARS-Crescent	36	57.7	13.2	24	148	3	81	79	89
Experimental Lines									
UIL 13-553051A	56	56.3	12.1	25	145	1			
LWW17-5877	55	55.4	12.0	27	139	1			
LWW18-5080	54	57.3	11.3	27	142	1			
ORI2190025 CL+	54	56.3	12.1	26	140	2			
LWW17-8185	52	58.2	10.9	28	146	2			
09PN118-02 CL2	50	58.8	13.3	27	147	1			
UIL 17-7706 CL+	50	56.2	12.1	28	147	3			
WA8336	50	55.4	11.9	26	146	1			
WA8307	48	58.0	12.8	28	147	1	89	85	
OR2160243	48	56.9	12.8	27	145	1			
UIL 13-046145A	46	56.4	12.2	25	143	1			
X61-1	46	58.0	13.0	28	146	1	85		
IDO2008	46	58.9	12.5	26	148	2			
OR2160264	44	57.8	13.1	27	143	1			
UIL 15-028024	44	59.6	12.6	26	147	1			
ARSX09500-17CBW	42	61.1	13.9	24	145	4			
WA8335	41	53.1	13.2	27	146	3			
ARS09X492-6CBW	41	54.3	14.5	25	146	4	83	83	
WA8337	39	57.2	12.9	23	146	3			

ARS14DH1122-26	34	61.0	13.5	24	149	2			
C.V.	11	2.7	6.4	5	1	67	8	8	7
LSD	8	2.5	1.3	2	2	3	7	6	4
Average	48	57.3	12.6	26	145	2	87	85	96
Highest	58	61.1	14.5	31	149	5	94	92	105
Lowest	34	53.1	10.4	23	139	1	75	67	83

† Drought stress rating based on visual assessment of damage from 1-9 scale (1=no damage).

Agronomic Information

Planting Date:	10/16/2020
Harvest Date:	8/13/2021
Seeding Rate (seeds/ft ²):	21.5
Previous Crop:	Winter Wheat
Spring soil test:	
N (lb/ac) 4-ft sample	232
P ₂ O ₅ (lb/ac) 1-ft sample	454
S (lb/ac) 2-ft sample	31
pH (top 6 inches)	5.3

Herbicide: Zidua (2oz) was applied on October 22, 2020.

Spring herbicides were applied by the cooperator.

Trial Notes:

1. The Dayton nursery was located 7 miles NW of Dayton, WA.
2. The nursery was fertilized prior to seeding at a rate of 120N, 10P, 15S, 15K, 12CL. No additional fertilizer was applied after spring soil sampling.
3. Overall yield was 61% lower than 2020 and test weight was 5.4 lb/bu less.
4. Severe drought caused some entries to abort heads in the boot stage, which affected some variety rankings.

Cooperator: Kirk & Deb Fortner