

2018 WSU Variety Testing Soft Winter Wheat Trial, Dayton

Variety Name <i>Club Italicized</i>	2018					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>								
Rosalyn	111	60.1	8.6	36	145	133	130	107
M-Press	111	61.4	8.7	36	144			
SY Raptor	110	61.4	9.2	33	141	119		
Norwest Tandem	107	62.1	9.1	31	141	123		
LCS Artdeco	106	60.7	9.0	34	140	126	121	100
Bobtail	105	58.8	8.9	35	145	120	119	96
Xerpha	104	61.6	9.0	37	151	120	121	102
Jasper	104	60.1	9.8	37	147	111		88
Dyna-Gro Impact	104	62.6	9.2	35	144			
LCS Hulk	103	62.5	9.0	36	145	111	110	
LCS Drive	102	60.6	8.7	30	139	113		92
PNW Hailey	102	63.1	9.3	36	146			
LCS Shark	102	61.4	9.1	34	140	123		
Norwest Duet	102	62.0	9.1	41	145	115	114	
Mary	101	62.2	9.4	35	142	116	116	100
SY Dayton	101	61.8	9.3	35	146	121	118	
LCS Sonic	100	61.1	9.0	38	143	110		
SY Command	99	60.3	8.4	36	144	115		
SY Ovation	99	61.9	9.3	34	146	114	112	96
Puma	98	61.7	9.4	40	146	108	111	94
Purl (WA 8234)	98	62.6	9.2	34	143	116	114	
SY Candor (09PN008#72)	96	62.6	9.3	37	145	115		
WB-528	95	62.3	9.9	36	142	113	112	94
WB1604	95	60.1	9.6	34	142	109	108	
SY Assure	94	62.9	9.1	35	139	117	116	
ARS-Castella (ARS20060123-31C)	94	61.0	9.0	37	144		103	
UI Sparrow	94	60.3	8.7	38	151	107	108	94
WB1529	93	63.1	9.8	33	142	110	112	
WB1783	93	64.0	9.7	36	142	107		
ARS-Crescent	92	60.5	8.8	37	152	102	102	86
SY Banks	90	60.0	9.1	36	146	111		
Stephens	90	60.9	10.0	36	141	106		81
WB1532	89	61.1	10.4	34	151			
Madsen	87	61.7	10.3	34	150	107	106	89
<i>Experimental Lines</i>								
LWW15-71945	112	59.5	9.2	35	144			
LWW14-74143	110	59.2	7.9	35	139	130		
UIL 07-28017B	107	63.0	9.4	36	141	127	120	
IDN 15-72458DH	103	60.7	8.7	37	142			
WA 8293	101	61.1	9.1	37	148			
OR2121086	99	62.1	9.4	36	143	116		
WA 8292	99	62.0	10.1	37	149			

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LWW14-72916	98	61.8	9.1	31	141	123		
XB1104	98	63.5	9.6	31	139			
OR2121285	95	62.2	9.9	33	143	113		
<i>ARS06132-45C</i>	95	60.1	8.9	33	145			
YS-205	94	62.9	9.1	32	150			
WA 8232	94	62.6	9.6	36	149	114	112	
<i>ARSDH08X117-83C</i>	92	62.5	9.3	37	145			
<i>ARSDH08X028-9C</i>	91	60.5	9.8	33	146			
IDO1005	91	61.4	10.1	38	146			
<i>ARSDH08X103-102C</i>	90	60.2	9.7	34	148			
OR2130081	89	61.0	9.4	38	145			
IDO1708	85	59.4	9.1	35	141			
YS-201	84	61.8	9.2	34	143			
C.V. %	5	0.8	4.5	4	1	5	5	6
LSD (0.05)	6	0.6	0.6	2	2	5	4	4
Average	98	61.4	9.3	35	144	115	114	94
Highest	112	64.0	10.4	41	152	133	130	107
Lowest	84	58.8	7.9	30	139	102	102	81

Agronomic Information

Planting Date:	10/11/2017
Harvest Date:	8/1/2018
Seeding Rate (seeds/ft ²):	21
Previous Crop:	Chickpeas
Spring soil test:	
N (lb/ac) 4-ft sample	155
P (ppm-bicarb) 2-ft sample	80
S (lb/ac) 2-ft sample	25
pH (top 6 inches)	5.54
Herbicide:	
Herbicides and fungicides applied by grower	

Trial Notes:

1. The Dayton nursery was located about 10 miles northwest of Dayton, WA.
2. The nursery was fertilizer at 125N 15P 15S 10Cl. An additional 25N was applied in the spring after soil sampling.
3. Overall yield was 23% less than 2017 and grain test weight was 1.3 lb/bu less than last year.

Cooperator J Penner