

2018 WSU Variety Testing Soft Winter Wheat Trial, St. John

Variety Name <i>Club Italicized</i>	2018					2 Year Average (Bu/A)	3 Year Average (Bu/A)	5 Year Average (Bu/A)
	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date			
<i>Released Varieties</i>								
Rosalyn	131	60.9	8.4	39	146	145	152	128
Bobtail	125	59.8	8.7	37	147	145	153	132
ARS-Crescent	118	61.1	7.8	40	151	125	126	118
Jasper	118	61.5	9.0	38	146	130		
SY Dayton	115	62.0	9.0	36	148	129	131	
Norwest Duet	114	62.0	8.5	45	146	127	133	
M-Press	114	61.0	8.5	37	146			
SY Ovation	113	60.6	8.7	37	152	122	129	116
WB1604	112	62.1	9.2	36	152	125	134	
PNW Hailey	112	63.2	9.4	40	146			
UI Castle CL+	112	62.3	9.2	38	147	125	126	
ARS-Castella (ARS20060123-31C)	112	60.8	9.1	40	147			
Purl (WA 8234)	111	62.3	9.2	39	152	127	133	
Puma	111	61.5	9.2	42	148	126	123	117
LCS Artdeco	111	60.7	8.7	32	152	116	128	114
Dyna-Gro Impact	111	62.1	8.8	36	146			
UI Sparrow	109	60.1	8.5	41	149	119	124	
WB1529	109	63.2	9.4	36	150	118	119	
SY Assure	108	62.1	9.4	35	152	116	121	
LCS Shark	108	60.9	9.2	36	152	125		
UI Magic CL+	108	62.3	9.2	36	151	120	128	
Xerpha	108	61.7	8.9	39	149	115	115	110
LCS Hulk	108	63.2	9.3	37	147	121	131	
Norwest Tandem	107	62.0	9.1	33	152	128		
SY Raptor	106	61.6	9.0	38	147	120		
WB-528	105	62.3	9.2	37	152	115	122	111
SY Candor (09PN008#72)	104	62.3	9.8	37	146			
UI Palouse CL+	104	60.4	9.3	36	149	114	122	
LCS Drive	104	60.0	8.8	30	152	116		
WB1532	103	62.2	9.4	37	148			
ORCF-102	102	61.9	9.3	40	146	109	114	109
WB1783	101	63.5	10.0	40	146	121		
Madsen	100	61.3	10.0	38	148	118	122	110
SY Banks	94	60.7	9.5	37	146			
Resilience CL+	93	61.7	10.1	37	148	116	123	108
WB1376CLP	92	63.0	10.2	37	147	109	119	
<i>Experimental Lines</i>								
LWW15-71945	131	59.4	8.6	38	146			
LWW14-74143	127	58.9	7.9	38	152			
LWW14-72916	124	61.7	8.2	33	152	142		
IDN 15-72458DH	120	61.0	8.1	39	147			
KXB-01	114	61.1	8.9	39	147	130	132	

## 2018 WSU Variety Testing Soft Winter Wheat Trial, St. John

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>ARS06132-45C</i>	114	59.8	8.3	39	147			
<b>OR2121086</b>	112	62.1	9.3	40	145	132		
<b>WA 8232</b>	111	63.1	8.9	41	147	123	130	
<b>UIL 07-28017B</b>	110	62.2	9.6	38	151	126	136	
<b>YS-205</b>	110	<b>63.5</b>	8.6	37	147			
<b>ORI2150031 CL+</b>	110	62.3	10.2	39	147	119		
<b>IDO1708</b>	108	59.5	8.8	36	153			
<i>ARSDH08X103-102C</i>	107	62.0	9.0	35	145			
<b>XB1104</b>	106	<b>63.8</b>	9.4	32	152			
<b>WA 8275 CL+</b>	103	61.7	9.5	36	146			
<b>WA 8293</b>	100	61.6	8.9	36	147			
<b>WA 8274 CL+</b>	96	61.1	9.6	36	148	118		
<b>ORI2150061 CL+</b>	84	62.1	11.3	34	152			
<b>C.V. %</b>	5	0.5	4.6	3	1	5	6	6
<b>LSD (0.05)</b>	8	0.5	0.6	2	2	6	6	4
<b>Average</b>	109	61.6	9.1	37	149	123	128	116
<b>Highest</b>	131	63.8	11.3	45	153	145	153	132
<b>Lowest</b>	84	58.9	7.8	30	145	109	114	108

### Agronomic Information

Planting Date:	10/3/2017
Harvest Date:	8/16/2018
Seeding Rate (seeds/ft <sup>2</sup> ):	21
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	312
P (ppm-bicarb) 2-ft sample	50
S (lb/ac) 2-ft sample	36
pH (top 6 inches)	5.39

Herbicide:

Fungicides applied with herbicide application on 05/08/18

### Trial Notes:

1. The St. John nursery was located about 4 miles east of St. John, WA.
2. The nursery was fertilized by the cooperator prior to seeding, 85N 10S.
3. Overall yield was 19% less than 2017, and grain test weight was equal to last year.

**Cooperator M Mills**