

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

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>								
Xerpha	75	60.3	9.3	39	152	62	--	--
Norwest Duet	72	60.2	9.4	40	151	59	--	--
M-Press	72	60.4	8.9	37	151		--	--
<i>Pritchett</i>	71	58.4	8.6	37	153	63	--	--
UI Sparrow	71	59.1	9.3	40	155	58	--	--
WB1783	70	<b>62.4</b>	10.4	40	150	59	--	--
Norwest Tandem	70	60.8	9.8	32	149	63	--	--
<i>Bruehl</i>	69	60.3	9.9	39	154	61	--	--
Jasper	68	58.8	9.3	37	149	62	--	--
Curiosity CL+	67	60.3	8.5	41	154	59	--	--
LCS Sonic	67	60.0	9.4	36	150	56	--	--
<i>ARS-Crescent</i>	66	59.7	9.8	36	152	52	--	--
Otto	66	60.4	9.5	39	152	59	--	--
WB1604	65	<b>62.0</b>	10.5	34	148	51	--	--
Mela CL+	65	61.0	8.0	40	154	64	--	--
Dyna-Gro Impact	64	61.3	10.5	37	149		--	--
SY Candor (09PN008#72)	64	61.4	10.9	36	150		--	--
Eltan	64	60.3	8.6	40	153	60	--	--
<i>ARS-Castella (ARS20060123-31C)</i>	63	58.6	9.0	36	150	58	--	--
SY Banks	63	59.3	10.3	37	151	59	--	--
LCS Hulk	62	<b>61.7</b>	10.3	35	151	55	--	--
UI Magic CL+	60	61.1	10.2	32	148	54	--	--
ORCF-103	60	59.4	9.2	37	153	51	--	--
WB1529	58	<b>62.6</b>	10.5	33	149	55	--	--
WB1376CLP	58	<b>61.9</b>	12.3	37	149	48	--	--
SY Command	57	58.8	9.7	34	151	46	--	--
ORCF-102	54	60.7	9.6	39	152	47	--	--
UI Castle CL+	54	60.9	10.0	37	153	49	--	--
Puma	53	59.8	9.9	40	149	45	--	--
<i>Experimental Lines</i>								
KXB-01	72	59.5	9.9	37	152	64	--	--
UIL 09-15702A	69	60.5	9.7	39	149	65	--	--
LWW14-72916	67	60.5	10.4	33	148		--	--
UIL 07-28017B	66	60.6	10.2	36	149	60	--	--
WA 8290	65	60.0	10.2	42	151		--	--
WA 8271	65	<b>61.8</b>	9.5	35	152	58	--	--
WA 8291	65	60.6	10.2	42	153		--	--
ORI2150031 CL+	64	59.9	11.4	40	150	50	--	--

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	Yield (Bu/A)	Test WT (Lbs/Bu)	Protein (%)	Plant HT (In)	Head Date	Average (Bu/A)	Average (Bu/A)	Average (Bu/A)
<b>WA 8270</b>	64	57.5	10.0	39	151	58	--	--
<b>YS-205</b>	63	61.3	9.9	36	151		--	--
<b>KWS147</b>	62	61.4	10.2	34	149		--	--
<i>ARSDH08X117-83C</i>	61	60.7	11.0	36	149		--	--
<b>IDO1005</b>	60	60.2	10.7	37	151		--	--
<i>ARSWA2J100065C</i>	58	57.8	10.1	33	152		--	--
<b>LWW15-71945</b>	58	57.0	10.9	34	149		--	--
<b>OR2121086</b>	57	59.7	10.6	38	151	54	--	--
<b>IDO1708</b>	53	58.8	10.4	36	148		--	--
<b>C.V. %</b>	9	1.3	8.2	6	1	10	--	--
<b>LSD (0.05)</b>	8	1.1	1.1	3	1	5	--	--
<b>Average</b>	64	60.2	9.9	37	151	56	--	--
<b>Highest</b>	75	62.6	12.3	42	155	65	--	--
<b>Lowest</b>	53	57.0	8.0	32	148	45	--	--

### Agronomic Information

Planting Date:	9/7/2017
Harvest Date:	8/14/2018
Seeding Rate (seeds/ft <sup>2</sup> ):	13
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	139
P (ppm-bicarb) 2-ft sample	50
S (lb/ac) 2-ft sample	12
pH (top 6 inches)	5.72

Herbicide:

Fungicides applied with herbicide application on 04/20

### Trial Notes:

1. The St. Andrews nursery was located about 7 miles west of Coulee City, WA.
2. The nursery was fertilized prior to seeding.
3. Overall yield was 36% less than 2017, and grain test weight was 1.8 lb/bu more than last year.

**Cooperator** L. Tanneberg