

2017 WSU Variety Testing SW Winter Wheat Trial, St. Andrews

Variety Name <i>Club Italicized</i>	2017					2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	SNOW MOLD ¹	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES								
Mela CL+	64	58.2	10.1	37	7.7	--	--	--
Jasper	57	55.4	11.1	33	6.0	--	--	--
Eltan	56	59.6	9.2	36	7.3	--	--	--
Norwest Tandem (LOR-334)	56	59.5	10.0	31	6.3	--	--	--
<i>Pritchett (4J0713366C)</i>	56	56.5	10.7	34	6.3	--	--	--
<i>Coda</i>	55	60.5	10.2	36	5.3	--	--	--
SY Banks (SY 09PN005#25)	54	56.9	10.4	34	6.3	--	--	--
<i>Bruehl</i>	53	57.3	10.3	37	7.3	--	--	--
WB1529	52	60.7	10.5	32	5.3	--	--	--
Otto	51	57.9	10.4	36	7.3	--	--	--
Xerpha	50	58.0	9.3	33	6.0	--	--	--
Curiosity CL+	50	60.5	8.9	36	7.7	--	--	--
Masami	48	56.6	11.2	35	6.0	--	--	--
WB1783	48	61.3	10.6	34	4.3	--	--	--
UI Magic CL+	47	60.4	10.9	32	4.7	--	--	--
Norwest Duet (LOR-092)	46	57.9	9.1	36	6.0	--	--	--
UI Sparrow (IDO1108DH)	45	56.0	11.8	37	6.0	--	--	--
UI Castle CL+	45	58.1	12.3	34	4.3	--	--	--
Mary	44	58.3	10.7	34	5.0	--	--	--
ORCF-103	42	58.0	9.7	33	6.0	--	--	--
ORCF-102	40	59.6	10.5	34	3.7	--	--	--
WB1843	39	59.3	10.1	33	6.0	--	--	--
WB1376CLP	39	60.6	13.0	32	4.3	--	--	--
WB1604	38	58.7	11.3	31	4.3	--	--	--
<i>ARS-Crescent</i>	37	58.2	10.4	33	4.0	--	--	--
Puma	37	59.1	10.0	37	4.7	--	--	--
Legion	36	57.6	11.4	35	3.7	--	--	--
SY Command (SY 04PN066-7)	34	56.4	11.0	33	3.7	--	--	--
SY 107	32	57.5	11.1	31	3.0	--	--	--
EXPERIMENTAL LINES								
IDN 09-15702A	60	58.8	11.4	36	6.7	--	--	--
KXB-01	56	59.1	9.7	34	6.3	--	--	--
IDN 07-28017B	54	60.6	10.4	33	6.0	--	--	--
WA 8226	54	57.9	10.2	37	6.7	--	--	--
<i>ARS20060123-31C</i>	53	57.6	10.5	34	4.7	--	--	--
WA 8270	52	56.0	10.5	37	7.3	--	--	--
WA 8227	51	58.6	9.4	36	6.7	--	--	--
WA 8271	51	60.2	9.5	34	7.3	--	--	--
OR2121086	51	58.4	10.7	34	4.7	--	--	--
IDN 06-03303B	51	57.2	9.9	36	6.3	--	--	--
KWS 145	50	59.3	10.0	33	7.0	--	--	--
LWW14-73163	48	57.0	11.1	37	5.0	--	--	--
WA 8276	45	56.0	10.7	33	6.0	--	--	--
LWW14-73161	45	58.3	10.3	34	5.0	--	--	--

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<i>ARSDH08028-111C</i>	36	59.3	11.4	32	4.3	--	--	--
ORI2150031 CL+	35	57.6	12.0	33	3.3	--	--	--
XA1101 CL+	34	60.3	12.0	31	4.0	--	--	--
LWW14-74143	34	56.7	10.5	31	3.3	--	--	--
XA1401 CL+	32	59.9	12.8	31	3.3	--	--	--
C.V. %	11	2	8	6	17	--	--	--
LSD (0.05)	7	1.6	1.1	3	1	--	--	--
Average	47	58.4	10.6	34	5	--	--	--
Highest	63	61.3	13.0	37	8	--	--	--
Lowest	32	55.4	8.9	31	3	--	--	--

Agronomic Information

Planting Date:	9/12/2016
Harvest Date:	8/9/2017
Seeding Rate (seeds/ft ²):	12
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 3-ft sample	208
P (ppm-bicarb) 2-ft sample	42
S (lb/ac) 2-ft sample	35
pH (top 6 inches)	5.75
Herbicide:	
PowerFlex, Huskie, Tilt, Quilt applied on 4/19.	

Trial Notes:

1. The St. Andrews nursery was located about 7 miles west of Coulee City, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. We had to plant fairly deep to hit moisture last fall and emergence was a struggle for some entries.
3. Snow mold severely impacted yield potential of many lines and contributed to the higher CV.
4. ¹ Snow mold ratings are based on spring regrowth/recovery from the disease (9=complete regrowth, 1=complete death).
5. Despite the higher amount of variation, this is still a useful trial, especially for Douglas County.

Cooperator: L. Tanneberg