

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

Variety Name <i>Club Italicized</i>	2017						2 Year	3 Year	5 Year
	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES									
Bobtail	166	59.8	10.6	41	154	10	166	143	136
Rosalyn	159	59.9	9.8	40	153	2	162	141	130
Norwest Tandem (LOR-334)	150	62.1	10.5	36	151	0			
ARS-Selbu	145	62.7	10.0	44	155	2	146	129	125
Jasper	143	61.0	10.2	42	154	2			
SY Dayton (SY 09PN062#18)	142	62.0	10.4	39	153	0	138		
UI-WSU Huffman	142	61.6	9.9	45	155	0	137	119	118
Puma	141	61.7	10.5	45	156	0	129	122	120
Norwest Duet (LOR-092)	141	61.4	10.7	49	154	27	143		
<i>Cara</i>	140	60.3	9.9	43	154	3	142	127	121
WB1783	140	63.6	10.3	44	156	2			
Resilience CL+ (WA 8187)	139	62.2	10.8	39	156	0	138	121	
UI Castle CL+	138	62.5	10.2	42	155	5	134		
WB1604	138	62.9	10.2	41	147	0	145	130	
Madsen	137	61.8	11.1	43	155	0	134	120	112
SY Raptor (SY 46#16)	134	60.9	9.7	40	151	2			
SY Ovation	132	61.6	9.6	41	155	0	138	124	116
<i>ARS-Crescent</i>	131	60.7	8.9	43	156	2	130	120	120
UI Magic CL+	131	62.2	9.5	37	150	0	138		
SY 107	131	61.4	9.8	41	153	33	134	122	
Brundage 96	131	61.3	9.6	42	154	0			
WB 456	130	63.2	11.0	40	147	0			
UI Sparrow (IDO1108DH)	129	59.6	9.6	44	156	0	132		
LCS Drive (LWW12-7105)	129	59.9	10.0	31	148	0			
WB1529	127	63.4	10.3	41	151	0	124	112	
WB1376CLP	126	63.8	12.4	43	152	0	132		
WB-528	125	62.6	10.1	44	147	0	131	120	109
Legion	124	59.8	10.3	44	155	17	121	115	113
UI Palouse CL+	124	62.0	10.0	38	155	0	132		
SY Assure	123	61.8	10.7	40	146	3	128		
Xerpha	123	61.5	10.0	44	155	8	119	110	106
LCS Artdeco	120	60.1	9.2	37	145	0	137	125	116
Mary	117	61.8	10.2	41	154	3	123	115	111
ORCF-102	116	61.6	9.8	42	154	0	120	116	
EXPERIMENTAL LINES									
LWW14-72916	159	62.2	10.4	37	149	28			
OR2121086	153	61.3	10.8	42	154	0			
IDN 09-15702A	149	62.6	10.4	45	155	0			
IDN 06-03303B	147	60.7	10.1	42	155	0	144		
KXB-01	146	61.4	9.3	43	155	2	141		
<i>ARS20040150-2C</i>	144	61.5	9.6	44	154	0			
LWW14-71195	143	60.7	10.2	41	150	0			
IDN 07-28017B	142	62.4	10.0	41	150	0	149		
WA 8234	142	62.2	9.5	43	152	0	143	131	

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<i>ARSDH08028-44C</i>	140	61.5	10.8	42	152	23			
WA 8274 CL+	140	60.7	11.3	42	155	10			
WA 8245	138	60.3	9.8	42	155	0	143		
WA 8232	136	62.1	10.4	43	154	68	139	123	
LWW14-73163	135	60.2	10.0	44	155	43	143		
OR2101043	134	61.0	9.4	41	153	0			
YS-206	130	61.7	10.4	42	155	0			
ORI2150031 CL+	128	61.5	10.4	41	154	0			
XA1101 CL+	112	63.1	12.0	42	149	0			
KWS 145	102	63.1	10.7	40	151	2			
XA1401 CL+	93	62.1	13.5	40	152	0			
C.V. %	5	1	9	4	1	--	6	6	7
LSD (0.05)	9	0.7	1.2	2	2	17	7	6	5
Average	135	61.6	10.3	42	153	6	137	122	118
Highest	166	63.8	13.5	49	156	68	166	143	136
Lowest	93	59.6	8.9	31	145	0	119	110	106

Agronomic Information

Planting Date:	9/22/2016
Harvest Date:	8/17/2017
Seeding Rate (seeds/ft ²):	21
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	238
P (ppm-bicarb) 2-ft sample	78
S (lb/ac) 2-ft sample	42
pH (top 6 inches)	5.26

Herbicide:

Huskie & Tilt applied at herbicide timing; Seconf fungicide application by air in early June

Trial Notes:

1. The St. John nursery was located about 4 miles east of St. John, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. Preplant fertilizer last fall was 85#N and 10#S.
3. This trial did receive two fungicide applications. However, the second application was delayed a bit and susceptible entries may have suffered a yield penalty as a result.
4. Overall, this was a very uniform trial.

Cooperator: M. Mills