

2016 WSU Variety Testing SW Winter Wheat Trial, St. John

Variety Name <i>Club Italicized</i>	2016						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	167	61.2	10.9	46	142	40	132	123	130
Rosalyn	166	61.4	9.8	45	141	0	132	117	126
LCS Artdeco	154	58.9	10.6	41	136	0	127	113	121
WB1604	152	61.7	11.4	47	137	3	126		
Skiles	152	62.0	11.6	46	142	0	126	117	123
ARS-Selbu	148	63.4	11.2	48	144	2	120	115	123
Norwest Duet (LOR-092)	145	62.8	10.9	52	142	27			
UI Magic CL+	145	61.6	11.3	44	139	7			
<i>Cara</i>	145	61.8	11.2	48	146	12	121	114	118
SY Ovation	144	60.9	11.1	45	140	7	120	112	
AP700 CL	140	60.8	11.0	48	139	3	115	108	
WB 523	140	62.3	10.4	48	139	0	118	107	
UI Palouse CL+	140	61.1	11.3	45	141	0			
WB1376CLP	139	63.0	11.8	44	139	0			
SY 107	137	61.3	10.0	45	141	10	118	115	
WB-528	137	62.1	11.5	49	138	13	118	109	108
UI Sparrow (IDO1108DH)	134	60.6	10.7	50	147	20			
SY Assure (04PN096-2)	132	61.1	11.2	45	136	8			
UI-WSU Huffman (IDN-03-29902A)	132	61.4	10.4	47	143	5	108	106	
Madsen	131	60.6	12.1	48	144	25	112	104	110
Mary	130	59.5	11.0	46	138	0	115	110	110
UI Castle CL+	129	62.2	10.9	46	144	0			
<i>ARS-Crescent</i>	128	60.2	10.5	49	147	32	115	114	120
ORCF-102	125	60.3	10.6	50	141	5	117	110	
WB-Junction	121	61.0	11.0	46	136	37	113	109	
WB1529	121	62.0	11.0	46	139	27	105		
Legion	118	60.0	11.5	50	143	67	110	106	
Puma	117	61.0	10.3	52	139	25	113	112	118
Xerpha	115	59.3	11.1	51	144	8	104	106	101
Mela CL+	107	61.1	10.6	47	148	28	96		
Curiosity CL+	105	59.6	11.7	48	147	55	94		
EXPERIMENTAL LINES									
IDN 01-10704A	162	61.1	10.9	51	141	0	130	121	
IDN 07-28017B	156	62.4	11.2	43	138	3			
LWW14-73163	152	62.9	11.0	47	141	2			
WA 8235	149	61.9	11.6	42	147	7	120		
LOR-913	148	59.9	11.1	43	139	5			
WA 8245	147	61.0	10.9	48	144	0			
WA 8234	145	62.0	10.7	48	139	3	126		
LOR-833	145	61.5	10.8	41	137	0			
WA 8232	143	62.3	10.4	47	142	45	117		
IDN 06-18102A	142	60.1	11.5	48	142	28			
IDN 06-03303B	141	60.1	10.3	45	142	0			
ARS20060123-31C	138	62.6	11.8	51	143	35	122		

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WA 8187	136	61.5	10.7	46	142	7	111	103	
Xerpha-0W	135	61.3	10.7	48	146	3			
KXB-01	135	60.8	11.1	46	146	30			
09PN062#18	134	61.1	10.4	42	140	30			
WA 8233	130	61.4	10.9	51	147	22	112		
OR2110526	128	60.9	11.4	44	136	10			
WA 8206	125	61.0	11.7	47	144	17	114	107	
Xerpha-G2	125	61.1	9.8	48	144	3			
ARS06136-49C	120	61.8	10.9	53	145	15			
C.V. %	6	1	5	4	1	142	7	6	8
LSD (0.05)	12	0.8	0.8	3	1	27	10	7	7
Average	137	61.3	11.0	47	142	14	116	111	117
Highest	167	63.4	12.1	53	148	67	132	123	130
Lowest	105	58.9	9.8	41	136	0	94	103	101

Agronomic Information

Planting Date:	9/25/2015
Harvest Date:	8/16/2016
Seeding Rate (lbs/acre):	85
Previous Crop:	Fallow
Spring soil test:	
N (lb/ac) 4-ft sample	167
P (ppm-bicarb) 2-ft sample	100
S (lb/ac) 2-ft sample	47
pH (top 6 inches)	5.85

Herbicide:

Huskie, PowerFlex HL, Tilt applied on 4/21.

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.** This trial only received one application of fungicide. Stripe rust was present at low-moderate levels on susceptible varieties.
- 3.** Yields were very high, despite the relatively low nitrogen indicated by the soil sample.

Cooperator: M. Mills