

2016 WSU Variety Testing SW Winter Wheat Trial, Connell

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	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)
RELEASED VARIETIES								
SY 107	76	53.8	11.6	34	126	49		
Mary	76	57.6	14.0	33	125			
Xerpha	73	56.3	12.7	38	128	48	43	42
WB-Junction	73	58.2	12.2	36	122	49	43	
Puma	72	57.1	12.8	37	126	48	42	40
Norwest Duet (LOR-092)	72	56.3	12.9	38	127	48		
Legion	71	55.4	13.4	36	125			
WB 1376CLP	71	59.0	13.6	37	124			
WB 1529	71	58.3	11.7	34	125	46		
WB 1604	70	58.1	11.3	37	120			
<i>Pritchett (4J0713366C)</i>	68	56.5	11.9	33	129	47	41	
ORCF-102	68	57.4	13.8	38	126	44	39	
UI Magic CL+	67	58.5	12.3	33	123			
UI-WSU Huffman (IDN-03-29902A)	66	57.8	12.3	34	127			
Madsen	65	56.6	13.8	35	127	43	38	36
Eltan	65	55.6	13.3	37	130	45	42	38
UI Castle CL+	64	55.2	13.3	36	127			
MelaCL+	63	56.9	12.2	39	130	44	39	37
CuriosityCL+	63	56.4	12.2	36	130	45	42	40
<i>Bruehl</i>	62	53.7	13.5	35	129	42	38	34
WB 1843	62	56.7	14.4	34	127			
ORCF-103	60	57.6	12.1	34	129	43	35	34
<i>ARS-Crescent</i>	60	54.7	12.3	33	129	41	37	35
Otto	59	56.0	14.9	33	131	41	38	37
UI Palouse CL+	59	56.1	14.0	32	124			
<i>Coda</i>	58	56.2	14.7	32	130	38	33	34
UI Sparrow (IDO1108DH)	55	54.5	13.0	37	129			
Masami	55	54.5	13.6	32	130	39	37	37
EXPERIMENTAL LINES								
04PN066-7	78	56.1	11.2	36	124			
LOR-913	77	57.4	12.7	34	123			
IDN 07-28017B	75	58.3	12.5	36	122			
KXB-01	73	55.9	12.1	37	128	49		
LWW14-73163	71	57.6	13.0	34	126			
WA 8244	71	58.2	12.8	35	127			
LWW14-73161	70	55.0	12.6	36	126			
LWW14-71032	70	57.2	12.1	39	126			
<i>ARS20060123-31C</i>	68	55.6	12.5	36	127	45		
09PN005#25	67	55.9	12.4	35	126			
Otto-G2	67	55.9	13.4	36	130	46		
Otto-0W	65	57.0	13.1	36	129	45		
WA 8226	64	56.1	13.5	37	129	41		
<i>ARS06135-9C</i>	63	58.0	12.5	31	129	42		
WA 8202	61	58.1	13.1	38	127	42	38	

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WA 8243	61	53.3	13.5	33	129			
WA 8251 (KXB-04)	59	56.4	13.3	38	132			
WA 8227	58	56.1	13.7	35	134	40		
C.V. %	5	1	8	5	1	6	6	8
LSD (0.05)	4	0.9	1.3	2	1	3	3	3
Average	66	56.5	12.9	35	127	44	39	37
Highest	78	59.0	14.9	39	134	49	43	42
Lowest	55	53.3	11.2	31	120	38	33	34

Agronomic Information

Planting Date: 9/14/2015
 Harvest Date: 7/13/2016
 Seeding Rate (lbs/acre): 50
 Spring soil test:
 N (lb/ac) 4-ft sample 166
 P (ppm-bicarb) 2-ft sample 49
 S (lb/ac) 2-ft sample 30
 pH (top six inches) 5.79
 Herbicide:
 Huskie, PowerFlex, Tilt, M-90 applied on 3/30. Cooperator applied a second application of fungicide by airplane.

Trial Notes:

1. Grain yield averaged 66 bushels/acre, well above the five-year average. The Connell nursery was located about 8 miles east of Connell, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. August rains provided great seeding conditions at this location. Emergence and stand establishment were excellent. Due to the fungicide applications, stripe rust was not a factor at this location.

Cooperator: D. Bauermeister