WASHINGTON STATE UNIVERSITY EXTENSION

2016 WSU Variety Testing SW Winter Wheat Trial, Walla Walla

Variety Name *Club Italicized*	2016 YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	2 Year AVERAGE (BU/A)	3 Year AVERAGE (BU/A)	5 Year AVERAGE (BU/A)
RELEASED VARIETIES								
LCS Artdeco	**151**	59.7	9.7	34	133	114	124	121
Rosalyn	141	60.2	10.4	38	135	109	114	116
Skiles	134	61.0	11.9	37	131	100	117	112
Xerpha	134	60.3	10.9	41	138	111	128	121
WB-Junction	133	**61.9**	11.0	39	133	108	115	
Norwest Duet (LOR-092)	133	60.6	10.5	43	132			
SY 107	132	60.8	10.7	38	136	107	116	
Mary	131	60.7	11.3	37	133	105	119	115
Legion	131	59.4	11.3	43	135	104	120	
Puma	129	60.4	11.4	43	137	109	123	120
Bobtail	127	58.7	10.7	38	132	103	101	108
WB 528	127	**61.9**	10.7	37	132	102	117	109
ARS-Selbu	126	62.2	11.3	39	139	102	115	117
SY Assure (04PN096-2)	126	61.1	11.0	37	132			
WB 523	125	61.1	11.4	41	135	102	114	
SY Ovation	124	60.8	11.2	38	137	107	123	
UI Sparrow (IDO1108DH)	124	59.7	10.7	45	139			
ARS-Crescent	123	60.4	11.2	40	140	101	118	119
WB 1529	122	61.5	10.7	37	133	100		
ORCF-102	122	61.2	11.2	43	135	100	116	
Cara	120	59.3	11.1	41	138	99	115	113
Madsen	120	60.1	11.7	39	137	96	111	109
MelaCL+	116	60.2	11.2	43	139	93		
CuriosityCL+	115	60.0	10.8	42	140	93		
UI Magic CL+	115	**62.0**	11.7	35	131			
AP700 CL	111	59.2	11.7	38	134	88	107	
UI Castle CL+	110	60.9	12.4	42	137			
WB 1604	110	60.9	10.9	39	132	91		
WB 1376CLP	108	61.7	12.3	41	132			
UI Palouse CL+	108	59.1	11.6	36	136			
UI-WSU Huffman (IDN-03-29902A)	108	60.1	11.6	39	138	91	113	
EXPERIMENTAL LINES								
ARS20060123-31C	140	61.5	10.7	45	136	115		
WA 8234	132	61.5	10.9	40	134	109		
09PN062#18	128	60.4	11.1	39	137			
KXB-01	128	60.7	11.0	42	138			
LOR-913	128	60.0	10.8	39	131			
Xerpha-G2	126	60.0	11.5	40	139			
WA 8232	126	**62.3**	10.4	40	137	102		
WA 8245	124	59.4	10.9	39	140			
Xerpha-0W	124	60.3	10.8	38	139			
LWW14-73163	123	61.5	11.2	40	135			
OR2110526	123	60.6	11.1	37	131			
ARS06136-49C	122	61.1	11.2	45	138			

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WA 8187	120	60.7	11.7	40	137	95	113	
IDN 06-03303B	116	58.7	11.2	35	134			
WA 8233	116	60.2	10.8	42	139	100		
IDN 07-28017B	116	61.5	11.1	34	130			
WA 8235	114	60.4	11.6	37	138	92		
LOR-833	113	59.9	11.3	37	131			
IDN 06-18102A	111	59.1	10.8	37	136			
WA 8206	106	60.1	11.8	39	136	95	111	
IDN 01-10704A	102	60.3	10.9	40	136	88	114	
C.V. %	4	1	4	5	1	5	8	7
LSD (0.05)	7	0.5	0.5	3	2	6	8	6
Average	122	60.5	11.1	39	135	101	116	115
Highest	151	62.3	12.4	45	140	115	128	121
Lowest	102	58.7	9.7	34	130	88	101	108

Agronomic Information

Planting Date:	9/25/2015
Harvest Date:	7/15/2016
Seeding Rate (lbs/acre):	85
Previous Crop:	Peas
Spring soil test:	
N (lb/ac) 4-ft sample	235
P (ppm-bicarb) 2-ft sample	39
S (lb/ac) 2-ft sample	33
pH (top 6 inches)	5.51

Herbicide:
Huskie, PowerFlex, M-90 applied on 4/1/16. Tilt applied on 4/4/16.

Trial Notes:

1. The Walla Walla nursery was located about 3 miles northeast of Walla Walla, WA. This was a new location for 2016, and closer to Walla Walla than our previous winter wheat trials. All yield, and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This trial received only one application of fungicide and low levels of rust were observed on some of the more susceptible lines late in the growing season.
3. Dry seeding conditions led to uneven spring stands, but stands evened out and this turned into a very nice trial.

Cooperator: P. McConnell