

2016 WSU Variety Testing SW Winter Wheat Trial, Farmington

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									
Rosalyn	172	60.6	9.7	42	148	0	133	116	116
Legion	161	60.7	10.5	44	146	0	122	110	
Puma	159	61.7	10.8	50	146	3	134	116	117
Norwest Duet (LOR-092)	158	61.8	10.8	50	148	0			
Skiles	156	61.7	11.6	39	148	0	117	108	108
LCS Artdeco	155	60.6	10.1	39	145	0	115	107	112
Xerpha	153	61.6	10.9	43	151	0	124	114	114
ARS-Selbu	153	63.1	11.0	41	149	0	123	108	110
SY 107	151	61.2	10.4	41	146	2	110	104	
SY Assure (04PN096-2)	150	61.6	11.4	39	145	0			
Bobtail	150	60.8	10.6	40	150	0	110	103	107
UI-WSU Huffman	149	61.5	10.9	41	152	0	111	102	
ORCF-102	149	61.1	10.7	45	148	0	114	104	
AP700 CL	148	60.9	11.3	44	146	0	112	102	
UI Castle CL+	147	61.7	11.1	41	149	0			
<i>ARS-Crescent</i>	146	61.2	10.4	43	152	0	122	109	110
UI Sparrow (IDO1108DH)	146	59.9	10.3	45	150	0			
UI Magic CL+	142	61.9	11.4	40	146	2			
Mary	142	61.6	11.1	42	146	0	121	112	115
Madsen	141	61.4	11.1	41	149	0	109	96	102
UI Palouse CL+	137	60.5	10.9	40	149	0			
SY Ovation	137	61.1	11.3	41	150	0	110	99	
WB1604	136	62.0	11.2	41	146	0	98		
WB 523	136	62.2	11.3	41	146	0	112	103	
WB-528	136	62.6	11.0	42	145	0	110	100	102
<i>Cara</i>	135	60.9	10.7	41	152	0	108	102	102
WB-Junction	131	62.4	10.7	40	145	13	119	105	
WB1529	122	62.3	13.0	40	145	0	99		
WB1376CLP	116	63.2	12.3	43	146	0			
Curiosity CL+	103	60.2	10.6	42	149	67	101		
Mela CL+	92	60.7	10.7	44	153	72	89		
EXPERIMENTAL LINES									
Xerpha-G2	160	61.6	11.0	43	152	0			
WA 8232	159	62.8	10.4	45	147	7	133		
IDN 06-18102A	157	60.0	10.4	40	147	0			
KXB-01	156	61.0	11.5	43	149	3			
Xerpha-0W	155	61.4	10.6	43	152	0			
LWW14-73163	154	62.8	10.9	40	147	0			
IDN 06-03303B	153	60.6	10.7	42	147	0			
IDN 01-10704A	152	60.9	10.4	44	150	0	119	108	
WA 8245	151	59.6	10.3	42	151	0			
WA 8234	149	62.4	11.0	42	146	0	123		
ARS20060123-31C	145	62.2	10.8	44	149	0	116		
WA 8233	144	60.4	10.7	45	152	18	124		

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<i>ARS06136-49C</i>	144	61.4	11.2	47	149	7			
IDN 07-28017B	144	62.1	10.9	42	147	0			
WA 8206	142	61.4	11.2	44	148	0	116	106	
WA 8187	142	61.7	11.0	41	149	0	114	105	
WA 8235	140	61.7	10.8	38	149	0	104		
OR2110526	138	61.8	10.9	39	145	0			
09PN062#18	136	61.1	11.1	40	148	0			
LOR-833	131	61.6	11.5	39	145	0			
LOR-913	130	61.4	11.2	39	145	0			
C.V. %	6	1	3	4	1	--	7	7	6
LSD (0.05)	13	0.5	0.4	2	3	--	10	7	5
Average	144	61.4	10.9	42	148	4	115	106	110
Highest	172	63.2	13.0	50	153	72	134	116	117
Lowest	92	59.6	9.7	38	145	0	89	96	102

Agronomic Information

Planting Date:	10/6/2015
Harvest Date:	8/22/2016
Seeding Rate (lbs/acre):	95
Previous Crop:	Chickpeas
Spring soil test:	
N (lb/ac) 4-ft sample	151
(ppm-bicarb) 2-ft sample	182
S (lb/ac) 2-ft sample	41
pH (top 6 inches)	5.3

Herbicide:

Herbicide and fungicide were applied by cooperator at herbicide timing. A second fungicide application was applied in late-May.

Trial Notes:

1. The Farmington nursery was located about 4 miles south of Farmington, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This location was planted using our no-till drill with hoe openers. Fertilizer applied at planting was 120#N, 20#P, 20#S.
3. Two applications of fungicide kept stripe rust under control.
4. There was a heavy infestation of Italian rye in the first rep of the trial. The rye was controlled by hand, and likely caused some yield reductions.

Cooperator: B. Nelson