

2016 WSU Variety Testing SW Winter Wheat Trial, Moses Lake

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									
SY Ovation	171	60.0	11.1	38	131	52	147	156	
SY Assure (04PN096-2)	162	60.5	11.7	35	126	45			
AP700 CL	160	59.4	10.7	45	130	23	138	148	
LCS Artdeco	160	58.3	10.6	38	127	55	153	149	140
UI-WSU Huffman (IDN-03-29902A)	152	59.8	11.1	41	132	37	131	140	
WB-Junction	152	61.3	10.9	40	127	83	140	148	
Rosalyn	151	59.4	10.6	39	131	65	137	133	132
WB 456	148	61.6	12.0	38	127	0	140	148	
Norwest Duet (LOR-092)	148	60.5	11.6	46	132	62			
UI Castle CL+	146	60.9	12.0	40	132	75			
Bobtail	143	58.6	11.2	37	131	55	134	139	136
Skiles	142	59.7	12.5	38	132	45	131	140	132
UI Magic CL+	141	59.1	11.4	36	129	23			
Puma	140	59.8	11.3	45	130	37	122	141	136
WB 1376CLP	139	61.9	12.3	41	130	23			
WB 1604	137	59.9	11.9	39	128	48	133		
UI Palouse CL+	136	60.0	11.0	37	131	3			
Legion	131	59.5	11.4	43	131	77	116	126	
Mary	130	59.3	10.8	38	129	3	130	139	138
ORCF-102	129	59.2	11.0	40	132	67	127	136	
WB 1529	124	61.0	12.4	38	129	78	127		
UI Sparrow (IDO1108DH)	118	57.3	11.3	44	134	93			
WB 1843	107	58.4	11.7	42	132	0			
SY 107	101	57.5	10.9	39	132	82	96	116	
Xerpha	78	54.5	12.4	41	134	52	96	120	119
EXPERIMENTAL LINES									
LWW14-71195	166	59.0	11.1	37	129	47			
IDN 07-28017B	164	60.9	11.2	39	129	18			
OR2090473	160	58.8	11.4	39	130	30	146	147	
IDN 06-03303B	159	59.0	10.8	38	132	0			
LWW14-73163	159	61.7	11.4	38	131	33			
09PN062#18	154	59.9	11.2	40	131	85			
IDN 06-18102A	153	58.9	11.0	40	130	48			
LOR-833	150	59.6	11.8	36	127	0			
WA 8206	148	60.4	11.7	41	133	10	138	146	
OR2110526	148	60.3	11.2	40	126	55			
WA 8187	147	59.9	11.4	38	134	2	132	140	
WA 8232	147	60.7	11.5	42	131	83	138		
KWS 040	138	60.9	11.2	41	126	67			
LOR-913	135	58.8	11.7	39	128	58			
KWS 034	117	60.0	10.6	41	130	40			
C.V. %	9	1	3	4	1	--	10	9	9
LSD (0.05)	17	0.8	0.5	2	1	31	15	12	8
Average	142	59.7	11.4	40	130	44	131	140	133

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Highest	171	61.9	12.5	46	134	93	153	156	140
Lowest	78	54.5	10.6	35	126	0	96	116	119

Agronomic Information

Planting Date:	10/7/2015
Harvest Date:	8/4/2016
Seeding Rate (lbs/acre):	95
Previous Crop:	Potatoes
Spring soil test:	
N (lb/ac) 4-ft sample	237
P (ppm-bicarb) 2-ft sample	27
S (lb/ac) 2-ft sample	44
pH (top 6 inches)	5.09

Herbicide:

Huskie & Tilt were applied at herbicide timing.

Trial Notes:

1. The Moses Lake irrigated nursery was located about 10 miles southeast of Moses Lake, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. An extra 100# N was applied to the soft trial in the spring, after the soil sample was taken.
3. This trial received only one fungicide application. Stripe rust levels were very high and limited the yield of susceptible varieties. Lodging also impacted many of the entries.
4. The irrigated trials contain a unique set of entries, some of which are not found in the rainfed trials.

Cooperator: G. Burkholder