

2017 WSU Variety Testing SW Winter Wheat Trial, Walla Walla

Variety Name <i>Club Italicized</i>	2017						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	163	62.8	11.2	40	144	18	152	127	119
LCS Artdeco	160	63.1	11.3	37	139	2	156	130	124
Tubbs 06	156	63.3	11.9	40	144	62			
SY Raptor (SY 46#16)	150	63.3	11.2	39	141	62			
SY Banks (SY 09PN005#25)	150	63.2	11.3	42	144	57			
ARS-Selbu	150	64.4	12.3	41	144	80	138	118	119
Bobtail	149	62.4	11.4	38	144	25	138	118	110
SY Dayton (SY 09PN062#18)	149	64.0	11.2	36	142	67	138		
LCS Drive (LWW12-7105)	149	62.6	10.9	33	139	7			
Mary	149	63.6	11.6	39	142	70	140	120	120
Puma	148	63.8	11.6	42	142	87	139	122	123
SY Ovation	146	64.0	11.2	39	142	53	135	120	121
Norwest Tandem (LOR-334)	143	63.3	11.7	36	141	40			
WB1604	142	63.8	11.6	37	140	60	126	108	
<i>Cara</i>	139	63.0	11.9	42	145	73	130	113	115
Madsen	139	63.6	12.0	42	144	40	130	111	112
WB 456	139	64.9	12.4	41	141	27			
Norwest Duet (LOR-092)	139	63.5	11.5	42	144	97	136		
LCS Biancor	136	62.4	11.1	34	141	55			
WB1783	134	64.9	11.7	41	144	72			
UI-WSU Huffman	134	63.2	11.7	41	143	98	121	105	112
SY Command (SY 04PN066-7)	134	61.5	11.2	40	141	58			
Brundage 96	133	63.6	11.8	41	143	35			
SY Assure	132	63.1	12.2	37	139	95	129		
WB1529	132	65.1	12.1	37	143	87	127	110	
SY 107	130	62.3	11.4	38	143	100	131	114	
UI Sparrow (IDO1108DH)	130	61.9	11.3	41	146	82	127		
Stephens	129	63.6	11.5	40	142	88			
WB-528	123	63.0	12.8	39	141	98	125	109	110
Jasper	120	61.9	12.4	40	144	100			
Legion	118	60.6	12.1	40	144	100	124	108	111
WB1843	117	63.3	12.2	38	144	100			
<i>ARS-Crescent</i>	116	62.5	11.3	40	148	98	120	106	114
Xerpha	116	62.5	11.5	39	144	100	125	113	118
EXPERIMENTAL LINES									
LWW14-74143	161	62.0	10.4	39	139	83			
LWW14-72916	159	64.6	11.2	37	140	100			
SY 09PN062#04	158	63.8	11.9	37	142	88			
IDN 06-03303B	155	63.3	11.7	40	143	13	135		
IDN 02-29001A	151	64.2	12.0	42	142	68			
OR2121086	145	64.0	11.4	43	142	18			
LWW14-71195	144	63.6	11.6	38	141	68			
OR2121285	143	63.6	11.5	38	142	5			
LWW14-73161	143	62.4	12.3	43	142	97			

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IDN 09-15702A	141	64.1	12.2	42	144	30			
SY 09PN008#72	140	64.1	11.7	40	142	50			
WA 8232	139	62.5	12.0	42	143	100	132	114	
IDN 07-28017B	139	64.5	11.7	39	142	70	127		
OR2121252	139	63.2	11.6	39	142	8			
OR2101043	138	61.9	12.0	38	143	98			
WA 8234	137	64.4	11.8	37	141	98	134	118	
ARSDH08028-44C	136	63.3	12.1	38	142	100			
LWW14-73163	136	62.2	12.2	42	142	97	129		
OR2130485	134	62.8	11.4	40	142	43			
IDN 09-08357A	127	63.8	12.1	39	141	67			
YS-206	123	63.0	12.3	40	143	82			
SY 05PN100-63	122	61.0	12.3	38	145	98			
ARS20040150-2C	120	62.9	12.3	41	146	95			
WA 8206	113	62.7	13.0	36	142	100	110	101	
WA 8245	111	61.8	11.7	40	146	100	118		
KWS 145	104	63.8	11.9	37	139	97			
C.V. %	8	1	4	4	1	27	6	6	7
LSD (0.05)	14	0.8	0.6	2	1	26	8	6	5
Average	137	63.2	11.7	39	143	69	131	112	117
Highest	163	65.1	13.0	43	148	100	156	130	133
Lowest	104	60.6	10.4	33	139	2	110	98	105

Agronomic Information

Planting Date: 10/6/2016
 Harvest Date: 7/26/2017
 Seeding Rate (lbs/acre): 21
 Previous Crop: Peas
 Spring soil test:
 N (lb/ac) 4-ft sample 253
 P (ppm-bicarb) 2-ft sample 78
 S (lb/ac) 2-ft sample 46
 pH (top 6 inches) 5.08
 Herbicide:
 PowerFlex, Huskie, Tilt, Quilt applied on 3/31; Second fungicide application in late-April; Third fungicide application in late-May

Trial Notes:

1. The Walla Walla nursery was located about 5 miles southeast of Walla Walla, WA. All yield and test weight values within the 5% LSD range of the highest value are shown in bold.
2. This trial was a cooperative effort with Oregon State University and Northwest Grain Growers. This location contains a unique set of entries.
3. This location was planted with a no-till drill and 120#N was applied at planting. An additional 30#N was applied in the spring.
4. Three applications of fungicide kept stripe rust under control.
5. Note that this was a higher production area than past WSU variety trial locations around Walla Walla.
6. Lodging was widespread and additional spring nitrogen contributed to the higher grain protein.

Cooperator: HT Rea Farms