

WSU Bread Lab Plant Breeding Program
2017 Variety Testing Soft Winter Wheat Trial, Mount Vernon
2017

Variety Name	Mkt Class	Yield (Bu/a)	Test Wt. (Lbs/bu)	Protein (%)	Plant Ht (in)	Head Date	Lodging (%)	Stripe Rust	2 Year	3 Year	6 Year
									Average (Bu/a)	Average (Bu/a)	Average (Bu/a)
RELEASED VARIETIES											
Bobtail	SWW	159.3	59.1	9.6	42.0	May-24	0	R	163	140	143
UI Sparrow (IDO1108DH)	SWW	154.9	59.2	8.5	47.0	May-27	0	R	114	--	--
Cara	SWC	148.4	58.7	9.3	44.7	May-26	0	R	139	128	127
Norwest Duet (LOR-092)	SWW	134.7	60.1	9.0	47.7	May-21	0	R	144	--	--
LCS Drive (LWW12-7105)	SWW	133.8	58.2	9.4	35.3	May-20	0	R	--	--	--
ARS-Crescent	SWW	122.3	58.0	9.3	43.3	May-29	0	MR-MS	120	99	105
Norwest Tandem (LOR-334)	SWW	117.6	57.3	10.4	36.0	May-20	0	R	136	--	--
SY Assure	SWW	107.1	59.7	9.4	39.3	May-20	0	R	--	--	--
LCS Artdeco	SWW	105.0	53.2	10.4	38.0	May-20	0	MR	117	--	--
Rosalyn	SWW	100.8	58.2	9.3	39.3	May-23	0	R	121.3	109	130
Jasper	SWW	97.2	58.9	10.2	43.7	May-24	0	R	--	--	--
SY Ovation	SWW	87.8	56.4	9.8	39.7	May-23	0	MR	109	99	--
Brundage 96	SWW	76.4	58.8	9.8	39.3	May-24	0	MR	--	--	--
EXPERIMENTAL LINES											
SY 46#16	SWW	140.1	60.8	9.2	40.0	May-21	0	MR	--	--	--
LWW14-71195	SWW	138.3	59.4	8.9	40.3	May-21	0	R	--	--	--
LWW14-73163	SWW	131.5	56.7	9.4	43.7	May-22	0	MR	143	--	--
LWW14-72916	SWW	128.7	61.4	9.3	36.7	May-20	0	R	--	--	--
ARS20040150-2C	SWC	126.6	57.3	9.6	47.3	May-26	0	MR	--	--	--
WB1604	SWW	124.6	60.0	9.8	42.7	May-21	0	R	122	106	--
OR2121086	SWW	122.7	59.8	9.4	39.0	May-21	0	R	--	--	--
WA 8245	SWW	122.5	57.2	9.5	42.7	May-25	0	R	122	--	--
OR2101043	SWW	120.4	59.6	9.9	44.7	May-24	0	R	--	--	--
WA 8232	SWW	119.6	59.0	8.4	44.3	May-23	0	R	120	110	--
WA 8187	SWWI	113.4	59.3	9.7	40.3	May-25	0	MR	119	111	--
SY 09PN062#18	SWW	110.7	57.9	9.5	38.7	May-23	0	R	123	--	--
IDN 07-28017B	SWW	96.7	58.6	9.4	39.3	May-21	0	MR	104	--	--
WB1529	SWW	89.3	56.6	10.0	41.3	May-22	0	MR	92	89	--
WB1376CLP	SWWI	81.5	59.5	10.3	41.0	May-22	0	MR	95	--	--
YS-206	SWW	73.7	59.5	9.6	39.0	May-26	0	S	--	--	--
ARSDH08028-44C	SWC	70.1	55.7	10.2	39.3	May-22	0	MR	--	--	--
IDN 06-03303B	SWW	65.5	57.1	10.2	39.3	May-23	0	MR	72	--	--
WB1783	SWW	63.3	55.9	10.6	40.0	May-25	0	MR	--	--	--
KWS 145	SWW	47.5	55.3	11.5	36.7	May-21	0	S	--	--	--
C.V.%		17.9	2.6	7.4							
LSD(0.05)		32.1	2.5	1.2							
Average		110.1	58.2	9.7							
Max.		159.3	61.4	11.5							
Min.		47.5	53.2	8.4							

Agronomic Information

Planting Date: 10/11/2016
Harvest Date: 7/31/2017
Seeding Rate (seeds/ft²): 32
Previous Crop: pea cover crop
03/23/2017 Soil Test (1-ft sample):
N (lb/ac) 109
P (ppm) 49
S (ppm) 6
pH 6.5
Organic Matter (%) 4.7
Herbicide:
Diuron, applied 10/11/2016.
Maestro, Harmony Extra SG, applied 03/31/2017.

Trial Notes:

1. The Mount Vernon nursery was located on the WSU-Mount Vernon NWREC research field. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.
2. Date and fertilizer applied: 03/31/2017 50# N, 14# S (36-0-0-9).
3. No fungicides were applied for control of stripe rust or other fungal diseases.

Heading date is when 50% of the heads are 50% emerged.
SWW = Soft White Winter, SWC = Soft Winter Club, SWWI = Soft White Winter Clearfield

R = resistant, MR = moderately resistant, MS = moderately susceptible, S = susceptible

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For additional information contact Steve Lyon (slyon@wsu.edu) 360-707-4640.

Commercial products or trade names do not imply an endorsement by Washington State University.

For additional variety testing results visit:

<http://thebreadlab.wsu.edu/western-washington-variety-trials/>.