

WSU Bread Lab Plant Breeding Program
2017 Organic Hard 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
RELEASED VARIETIES								
Colonia	HRW	170.8	60.9	10.2	39	25-May	0	R
Norwest 553	HRW	146.6	61.1	10.5	35	26-May	0	R
Skagit 1109	HRW	141.7	60.5	10.4	42	25-May	0	R
Renan	HRW	125.9	60.1	10.4	42	26-May	0	MR
EXPERIMENTAL LINES								
NSA 10-2196	HRW	160.3	59.4	9.6	36	20-May	0	R
HE9817/1.2	HWW	152.1	59.7	9.2	39	25-May	0	R
OR2110664	HWW	140.9	61.4	10.0	40	25-May	0	R
6J11156-1	SRW	129.8	61.2	10.4	38	25-May	0	R
OR22120276H	HWW	124.8	61.2	9.8	37	25-May	0	R
7J11003-8	HRW	123.8	60.1	10.6	34	25-May	0	R
C.V.%		9.1	1.7	3.9				
LSD (0.05)		22.0	1.8	0.7				
Average		141.7	60.6	10.1				
Max.		170.8	61.4	10.6				
Min.		123.0	59.5	9.2				

Agronomic Information

Planting Date: 10/10/2016

Harvest Date: 8/2/2017

Seeding Rate (seeds/ft²): 32

Previous Crop: 3 yrs organic alfalfa

03/23/2017 Soil Test (1-ft sample):

N (lb/ac) 74

P (ppm) 64

S (ppm) 6

pH 7.0

Organic Matter (%) 3.0

Trial Notes:

1. The Mount Vernon nursery was located on the WSU-Mount Vernon NWREC Certified Organic research field.
2. Date and fertilizer applied: 10/05/2016 75# N, 19# P, 37# K (Nutri-rich Organic 8-2-4).
3. All yield, test weight, and protein values within the 5% LSD range of the highest value are shown in bold.

Heading date is when 50% of the heads are 50% emerged.

HRW = Hard Red Winter, HWW = Hard White Winter, SRW = Soft Red Winter

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

There is no funding provided for this research, consequently this study was supported solely by general donations from individuals to the Bread Lab.

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For additional variety testing results visit:

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