

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

Variety Name	Mkt Class	2017							2 Year	3 Year	6 Year
		Yield (Bu/a)	Test Wt. (Lbs/bu)	Protein (%)	Plant Ht (in)	Head Date	Lodging (%)	Stripe Rust	Average (Bu/a)	Average (Bu/a)	Average (Bu/a)
RELEASED VARIETIES											
SAS 13-69	HRS	148.9	55.5	10.8	36	25-May	0	R	136	135	--
LCS Colonia	HRW	138.7	62.8	10.8	41	25-May	0	R	161	144	--
SAS W10	SRW	134.0	50.5	9.1	31	28-May	0	R	148	125	136
SAS 14-93	HRW	128.8	57.7	10.2	43	28-May	0	R	--	--	--
SAS W4	HRF	122.5	56.5	9.9	43	28-May	0	R	123	113	122
Skagit 1109	HRW	120.5	64.0	12.0	44	21-May	0	R	136	114	128
SAS 14-106	HRW	118.2	56.1	10.0	41	28-May	0	R	132	--	--
NSA10-2196	HRW	117.9	62.5	10.9	35	16-May	0	R	116	111	--
SAS 14-4	HRF	115.8	55.0	10.6	33	28-May	0	R	--	--	--
Norwest 553	HRW	115.3	64.1	12.5	36	21-May	0	R	144	132	148
LCS Aymeric	HRW	114.7	61.5	10.5	36	17-May	0	R	--	--	--
Mandala	HRW	109.5	65.8	11.6	44	26-May	0	MR	--	--	--
SAS 14-88	HRW	105.8	57.3	10.5	46	27-May	0	R	133	--	--
SAS 14-87	HRW	103.2	59.3	10.4	41	26-May	0	R	--	--	--
SAS 13-66	HWW	98.9	58.9	10.6	37	24-May	0	S	102	87	--
XA4103	HRW	98.7	65.1	11.9	40	16-May	0	R	--	--	--
SAS 9-25	SRF	97.7	53.0	10.7	35	25-May	0	MR	121	--	--
SAS 14-6	HRW	96.9	56.8	11.6	29	23-May	0	R	--	--	--
SAS W38	HRW	93.1	54.7	10.7	40	28-May	0	R	--	--	--
Keldin	HRW	87.1	63.7	12.0	41	22-May	0	MR	104	--	--
WB4623CLP	HRW	85.3	62.9	14.3	43	21-May	0	MR	--	--	--
SY Touchstone	HRW	77.2	64.4	12.4	37	20-May	0	R	--	--	--
XA4104	HRW	57.1	63.3	12.8	35	17-May	0	MR	--	--	--
EXPERIMENTAL LINES											
7J11003-8	HRW	126.0	63.0	12.3	42	18-May	0	R	--	--	--
LWW14-73915	HRW	115.8	62.9	11.8	39	15-May	0	R	--	--	--
WA 8268 DH	HRW	112.2	62.8	11.1	35	22-May	0	R	--	--	--
Skagit1112	HRW	111.7	63.6	12.6	37	22-May	0	R	120	--	--
7J110013-3	HRW	110.6	63.7	13.3	39	22-May	0	R	--	--	--
WA 8269 DH	HRW	109.0	60.4	10.6	39	26-May	0	R	--	--	--
7J110012-8	HRW	98.2	62.1	11.3	42	22-May	0	R	--	--	--
WA 8248	HRW	93.6	63.3	12.3	38	18-May	0	R	110	--	--
6J110156-1	HRW	92.1	63.3	12.8	43	21-May	0	R	--	--	--
C.V.%		17.8	2.6	7.4							
LSD(0.05)		31.4	2.6	1.4							
Average		108.4	60.6	11.4							
Max.		148.9	65.8	14.3							
Min.		57.1	50.5	9.1							

Agronomic Information

Planting Date:	10/11/2016
Harvest Date:	7/31/2017
Seeding Rate (seeds/ft ²):	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:

- 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.
- Date and fertilizer applied: 03/31/2017 50# N, 14# S (36-0-0-9) 05/17/2017 35# N (urea).
- No fungicides were applied for control of stripe rust or other fungal diseases.

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

HRW = Hard Red Winter, HWW = Hard White Winter, SRW = Soft Red Winter, HRF = Hard Red Facultative, SRF = Soft Red Facultative
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/>.