

WSU Bread Lab Plant Breeding Program
2017 Variety Testing Hard Spring 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* Average (Bu/a)	3 Year* Average (Bu/a)	6 Year* Average (Bu/a)
RELEASED VARIETIES											
SAS14-106	HRS	108.1	49.5	9.1	39	19-Jun	0	R	--	--	--
SAS W4	HRS	93.1	52.6	9.6	34	19-Jun	0	R	80	85	110
Edison	HWS	92.4	59.9	9.4	35	19-Jun	0	R	68	81	--
LCS Iron	HRS	89.9	60.2	9.7	32	16-Jun	0	MR	--	--	--
SAS 14-4	HRS	87.3	51.1	10.0	24	19-Jun	0	S	--	--	--
SAS 14-91	HRS	86.2	55.3	10.0	35	19-Jun	0	R	--	--	--
SAS 13-69	HRS	84.9	53.2	9.4	24	19-Jun	0	R	72	86	--
Chet	HRS	84.0	61.6	11.0	41	18-Jun	0	MR	--	--	--
SY Selway	HRS	81.3	60.6	11.2	36	16-Jun	0	MR	--	--	--
SY Coho	HRS	80.4	60.7	10.2	30	16-Jun	0	R	--	--	--
Alum	HRS	80.0	62.0	10.5	33	18-Jun	0	MR	77	74	--
SAS 9-25	SRF	76.4	50.5	9.0	26	19-Jun	0	R	--	--	--
Glee	HRS	72.5	62.5	10.6	35	19-Jun	0	MR	70	71	74
Lavett	HRS	69.2	57.8	9.7	34	19-Jun	0	R	--	--	--
LCS Luna	HRS	67.9	62.1	11.1	30	16-Jun	0	R	--	--	--
Hollis	HRS	64.8	55.6	11.5	38	19-Jun	0	MR	--	--	--
Kelse	HRS	64.0	60.1	12.2	31	18-Jun	0	MR-MS	--	--	--
Dayn	HWS	64.0	62.5	10.4	28	15-Jun	0	R	70	73	100
Espresso	HRS	63.6	61.2	11.8	28	15-Jun	0	R	49	71	--
Patwin 515	HWS	63.0	61.2	11.3	21	16-Jun	0	R	52	80	94
LCS Buck Pronto	HRS	61.3	60.0	11.5	35	16-Jun	0	R	--	--	--
SAS Duragold	Durum	56.3	61.7	10.6	25	19-Jun	0	R	--	--	--
SY Steelhead	HRS	46.1	63.4	11.6	26	16-Jun	0	R	--	--	--
EXPERIMENTAL LINES											
ML118-6R2	HRS	93.6	60.5	9.8	28	18-Jun	0	R	76	91	--
ML SE17-24-433L	HWS	90.8	61.4	9.8	37	18-Jun	0	R	78	87	--
ML120005	HWS	84.6	60.6	10.5	33	18-Jun	0	R	67	--	--
06PN3017-09	HRS	83.9	61.4	11.0	35	18-Jun	0	MR	--	--	--
SY 06PN3015-08	HRS	73.6	62.1	10.5	27	16-Jun	0	MR	--	--	--
12SB0199	HRS	80.6	60.3	9.9	30	16-Jun	0	R	--	--	--
12SB0197	HRS	77.7	59.8	9.6	39	16-Jun	0	R	--	--	--
12SB0224	HRS	75.4	61.6	10.4	29	19-Jun	0	R	--	--	--
XA9861	HRS	72.5	63.1	11.4	28	18-Jun	0	R	--	--	--
500-709	HRS	70.5	62.1	10.6	24	16-Jun	0	R	--	--	--
WA 8280 CL+	HRSI	70.2	60.0	10.6	30	16-Jun	0	MR	--	--	--
501-089	HRS	70.1	60.6	11.5	21	16-Jun	0	R	--	--	--
WB9518	HRS	69.3	62.0	13.0	26	18-Jun	0	R	63	--	--
WB9668	HRS	67.8	63.1	13.0	29	16-Jun	0	R	55	--	--
WA 8281	HRS	66.8	62.5	11.5	33	16-Jun	0	R	--	--	--
WB9662	HRS	66.0	61.3	12.2	29	19-Jun	0	R	--	--	--
WA 8282	HRS	64.5	61.0	10.6	32	16-Jun	0	MR	--	--	--
WA 8261	HRS	64.2	61.7	11.0	32	16-Jun	0	MR	--	--	--
CCM AHR-15	HRS	64.1	54.9	8.6	40	19-Jun	0	R	--	--	--
IDO1603S	HRS	63.8	60.9	12.1	30	18-Jun	0	R	--	--	--
WA 8279 CL+	HRSI	62.0	62.3	10.4	29	16-Jun	0	MR	--	--	--
WQL18SALZ-3	Durum	61.8	60.7	10.5	23	18-Jun	0	MR	--	--	--
WA 8259	HRS	60.0	60.4	11.7	33	16-Jun	0	MR	--	--	--
CCM Nardo x Indigo	HRS	59.5	55.3	9.4	32	19-Jun	0	R	--	--	--
CCM Dacke x Indigo	HRS	58.6	55.3	10.0	33	18-Jun	0	R	--	--	--
WB9229	HRS	58.6	61.4	11.5	26	18-Jun	0	R	57	--	--
WB9411	HRS	54.8	60.8	10.9	27	16-Jun	0	R	--	--	--
WQL17SSV16882-3	Durum	52.7	61.0	10.7	22	18-Jun	0	MR	--	--	--
CCM AHR-2	HRS	52.4	55.9	9.0	37	18-Jun	0	R	--	--	--
CCM AHR-22	HRS	48.9	58.5	12.0	29	19-Jun	0	R	--	--	--

2017									2 Year*	3 Year*	6 Year*
Variety Name	Mkt Class	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)
WB9200	HRS	48.9	62.7	12.6	26	16-Jun	0	R	--	--	--
SY605 CL	HRSI	46.8	54.1	10.6	34	16-Jun	0	S	--	--	--
WB9350	HRS	42.0	58.0	10.7	23	16-Jun	0	R	--	--	--
	C.V.%	16.3	1.9	5.7							
	LSD(0.05)	18.4	1.9	1.0							
	Average	69.9	59.5	10.7							
	Max.	108.1	63.4	13.0							
	Min.	42.0	49.5	8.6							

*averages do not include 2016

Agronomic Information

Planting Date:	4/18/2017
Harvest Date:	8/22/2017
Seeding Rate (seeds/ft ²):	32
Previous Crop:	pea cover crop
03/23/2017 Soil Test (1-ft sample):	
N (lb/ac)	65
P (ppm)	96
S (ppm)	7
pH	6
Organic Matter (%)	2.7

Herbicide:

Axial, Maestro, Harmony Extra SG: 5/18/2017

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: 05/17/2017 90# N, 22.5# S (36-0-0-9); 06/19/2017 30# N (urea).
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.

HRS = Hard Red Spring, HWS = Hard White Spring, HRSI = Hard Red Spring 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/>.