

**WSU Bread Lab Plant Breeding Program
2016 Variety Testing Hard Winter Wheat Trial, Mount Vernon**

Variety Name	Mkt Class	2016							2 Year	3 Year	5 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											
LCS Colonia	HRW	183.1	58.5	10.6	42	16-May	0	R	146	169	--
Norwest 553	HRW	172.4	60.6	10.8	36	10-May	0	R	140	154	155
SAS W10*	SRW	161.3	54.0	10.5	45	17-May	0	R	121	141	--
SAS 14-88*	HRW	159.3	59.5	11.4	47	16-May	0	MS	--	--	--
SAS 6-4*	HRF	149.3	58.7	10.8	42	16-May	0	R	117	134	--
SAS W7*	HRF	147.6	57.9	11.2	47	16-May	0	R	118	135	--
SAS 14-106*	HRW	145.8	57.3	11.5	46	21-May	0	R	--	--	--
SAS 9-25*	SRW	143.4	53.4	10.8	42	16-May	0	R	--	--	--
LCS Azimut	HRW	139.2	53.0	11.5	33	28-Apr	0	R	109	119	113
Ludwig	HRW	138.0	58.7	11.8	53	17-May	0	R	101	--	--
SAS W9*	SRW	136.5	54.7	10.2	38	16-May	0	MS	109	131	--
Renan	HRW	125.5	56.3	11.6	43	16-May	0	MR	80	--	--
SAS W4*	HRF	123.4	54.4	11.8	48	17-May	0	R	108	120	--
SAS 13-69*	HRS	122.0	51.8	11.3	38	15-May	0	R	105	126	--
Keldin	HRW	121.2	55.7	10.9	44	10-May	0	MS	--	--	--
LCS Jet (NSA10-7208)	HRW	110.5	53.4	11.2	37	3-May	0	MR	95	122	--
SAS 13-66*	HWW	103.7	53.8	11.9	43	15-May	0	MS	81	--	--
SY Clearstone CL2	HRW	87.3	51.9	11.6	47	15-May	30	MR	--	--	--
WB-Arrowhead	HRW	86.4	53.0	11.0	42	3-May	0	MR-MS	--	--	--
Whetstone	HRW	56.0	47.7	13.8	38	10-May	0	MR	--	--	--
Rimrock	HRW	36.9	42.1	11.9	41	10-May	0	S	--	--	--
EXPERIMENTAL LINES											
OR2120276H	HWW	172.7	57.0	10.2	44	10-May	0	R	--	--	--
NSA10-2196	HRW	161.8	57.5	10.7	36	28-Apr	5	R	132	--	--
OR2110664	HWW	157.7	59.4	10.7	42	11-May	0	R	--	--	--
04PN028B-3	HRW	155.7	59.3	11.5	39	11-May	0	S	--	--	--
HE9817/1.2	HWW	154.7	59.4	12.1	41	6-May	0	R	137	--	--
Skagit 1109	HRW	149.7	59.0	10.9	40	14-May	0	R	110	125	--
WA 8249	HRW	142.3	59.5	11.7	39	4-May	0	R	--	--	--
OR2100061H	HWW	141.2	57.8	10.4	38	10-May	0	R	--	--	--
Skagit 1112	HRW	128.2	57.0	11.3	35	16-May	0	R	--	--	--
WA 8248	HRW	126.1	58.0	10.9	39	10-May	0	R	--	--	--
6J11003-11	HRW	125.1	57.7	11.4	34	16-May	0	R	--	--	--
WA 8231	HRW	97.0	53.0	11.0	37	16-May	99	R	88	--	--
IDO1101	HWW	93.9	51.8	11.6	37	4-May	0	MR	67	--	--
OR2120012R	HRW	90.9	52.7	10.9	44	10-May	0	MR-MS	--	--	--
C.V. %		12.5	2.8								
LSD (0.05)		26.3	2.5								
Average		129.6	55.6								
Max.		183.1	60.6								
Min.		36.9	42.1								

All yield and test weight values within 5% LSD range of the highest value are shown in bold.

Agronomic Information:

Planting Date: 10/14/2015, double disc drill, 6" spacing.

Harvest Date: 8/5/2016

Seeding Rate: (lbs/acre): 100, *80

Fertilizer:

No fall application.

4/8/2016, based on soil tests applied NPKS totaling 93 lbs N/acre.

5/2/2016, applied additional 26 lbs N/ac to increase seed protein content

Herbicide:

10/19/2015: Diuron

3/29/2016: Maestro 2EC, Harmony Extra SG

No fungicides were applied.

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

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

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

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