

2014 WSU Variety Testing Hard Winter Wheat Trial, WSU-Mount Vernon

Variety	Mkt class	Yield	Test Wt.	Protein	Heading date	Plant Ht (in)	Lodging (%)
LCS Colonia	HRW	212.4	56.8	11.6	19-May	41	20
W9*	HRW	183.7	54.8	9.6	27-May	36	0
Norwest 553	HRW	183.1	59.2	10.4	19-May	39	7
W10*	HRW	179.4	51.2	10.6	27-May	35	0
NSA10-7208	HRW	176.7	57.8	10.9	13-May	37	0
SAS W7	HRF	168.5	57.6	10.6	19-May	48	27
SAS13-69*	HRF	168.0	52.8	10.3	20-May	39	0
BAL 6-4*	HRW	167.5	57.2	11.3	19-May	44	20
W15*	HRW	165.7	49.4	10.2	28-May	35	0
LCS Evina	HRW	163.9	59.2	11.1	22-May	46	7
Pactole	HRW	162.5	59.3	11.9	19-May	45	63
W14*	HRW	162.1	52.1	9.9	30-May	36	0
Estica	HRW	160.0	55.4	9.7	28-May	45	0
Barok	SRW	154.9	53.2	11.0	19-May	37	65
4J110002	HRW	153.6	59.1	11.5	19-May	46	37
LCS Allezy	HRW	151.8	56.5	9.3	20-May	40	0
4J110008	HRW	151.2	56.6	10.7	18-May	42	27
4J110009	HRW	147.7	57	10.5	18-May	44	7
OR2100061H	HWW	147.2	56.8	10.0	18-May	41	40
SAS W4	HRF	143.6	51.8	10.8	20-May	46	58
OR2080236H	HWW	142.6	58.1	10.8	27-May	45	78
LCS-Azimut	HRW	139	53.6	11.5	11-May	31	0
SAS 4B	HRF	136.2	51.2	10.9	19-May	43	52
WA 8209	HRW	135.5	57.4	12.0	21-May	41	63
WB-Arrowhead	HRW	134.1	57.5	10.5	13-May	41	33
WA 8186	HRW	133.4	57.5	10.4	27-May	41	63
4J110031	HRW	132.6	58.6	9.8	19-May	48	58
OR2080156H	HWW	132.5	58.3	10.4	18-May	44	38
Genesis	HRW	128.8	57.0	11.5	11-May	36	37
OR2100081H	HWW	116.7	56.3	10.8	17-May	41	27
Keldin	HRW	115.1	56.6	9.2	19-May	42	39
DAS 2	HRW	114.6	58.1	13.1	12-May	39	88
SAS W3	HRF	113.8	49.0	10.6	19-May	46	63
SAS 08-44*	HRF	111.9	57.3	11.7	28-May	42	0
DAS 1	HRW	101.7	56.6	12.1	12-May	40	93
Whetstone	HRW	101.4	54.9	11.1	17-May	42	53
JC1101	HWW	94.5	50.7	11.3	17-May	36	98
WA 8189	HRF	93.2	59.2	11.8	18-May	43	86

Variety	Mkt class	Yield	Test Wt.	Protein	Heading date	Plant Ht (in)	Lodging (%)
WA 8210	HRW	87.8	51.1	12.9	22-May	40	99
WA 8184	HWW	86.5	54.9	11.6	18-May	44	66
Boundary	HRW	86.2	54.8	11.2	21-May	41	79
WA 8211	HRF	85.7	59.7	12.4	20-May	45	46
AP503 CL2	HRW	78.8	53.9	9.9	12-May	40	99
JC1103	HRW	78.2	52.4	13.6	18-May	41	99
Sprinter (WA 8118)	HRW	67.4	54.4	12.2	11-May	43	98
Farnum	HRW	65.3	53.5	11.9	28-May	52	98
Eltan	SWW	51.4	44.2	10.8	29-May	41	90
WB-Rimrock	HRW	46.9	45.9	10.9	18-May	41	99
Bauermeister	HRW	40.2	43.8	13.0	22-May	43	98
Finley	HRW	28.1	44	13.9	19-May	53	98
Mean		125.7	54.7	10.9			
CV		16.2	3.3				
LSD		33	2.9				
Max		212.4	59.7				
Min		28.1	43.8				

Mount Vernon Hard Winter Wheat

1. Grain yield in the WSU-Mount Vernon hard winter wheat trial averaged 125.7 bushels/acre.
2. This nursery was seeded on 5 October, 2013 following summer fallow. Seed was placed at a 100#/acre seeding rate (those marked with * planted at 60#/acre) using a double disc drill on 6-inch spacing. No fertilizer was applied in the fall. Diuron herbicide was applied pre-emergence at 1 lb/ac. A total of 231 #N/ac was applied over the course of the growing season based on soil nutrient tests. Herbicides were applied to control weeds, but no fungicides were applied for stripe rust control.
3. Yields ranged from 28.1 to 212.4 bushels/acre, test weights 43.8 to 59.7 lbs/bu and proteins from 9.3 to 13.9 %. Yield and test weight values within the 10% LSD range of the highest are shown in bold.
4. Heading date is when 50% of the heads are 50% emerged.
5. Final lodging scores were taken on 29 July following a two day rain event of nearly 1.5 inches the previous week.