

# 2013 WSU Variety Testing Hard Winter Wheat Trial Summary

## Precipitation Zone >16"

Variety Name	Dayton	Pullman	Reardan	Walla Walla	Average	Dayton	Pullman	Reardan	Walla Walla	Average	Dayton	Pullman	Reardan	Walla Walla	Average		
																Yield (Bu/A)	
<b>Hard Red Winter</b>						<b>Test Wt (Lbs/Bu)</b>						<b>Protein (%)</b>					
Keldin	130	138	133	80	120	60.1	62.8	61.5	58.7	60.8	12.8	12.7	13.3	10.6	12.3		
LCS Colonia	121	138	116	89	116	57.8	58.0	57.5	54.4	56.9	12.8	12.5	13.1	12.7	12.8		
NSA06-4663	119	137	107	95	115	57.7	59.7	58.7	54.1	57.6	11.8	11.5	12.5	11.8	11.9		
LCS-Azimut	130	137	105	84	114	57.2	58.2	58.7	53.3	56.9	12.0	11.8	12.6	12.7	12.3		
WB-Arrowhead	118	145	113	78	113	60.3	62.7	61.3	59.8	61.0	12.8	12.1	12.9	11.6	12.4		
Boundary	124	131	115	77	112	60.4	61.4	61.1	57.6	60.1	12.4	12.6	13.3	11.7	12.5		
WB-Rimrock	116	136	121	73	112	60.5	61.6	60.6	56.8	59.9	12.2	12.1	13.2	11.3	12.2		
Norwest 553	136	137	90	81	111	61.2	62.8	62.0	58.5	61.1	12.5	13.1	14.1	13.2	13.2		
WA 8186	115	138	116	67	109	60.5	61.7	59.6	58.5	60.1	12.3	11.4	12.3	11.4	11.9		
Genesis	123	122	97	89	108	58.5	61.0	60.1	57.8	59.4	12.4	12.9	14.0	12.4	12.9		
DAS 2	111	130	105	80	106	61.3	62.2	61.2	59.9	61.2	13.3	13.1	13.7	12.2	13.1		
WA 8185	122	127	105	60	104	61.5	61.9	62.1	57.7	60.8	13.2	12.8	13.6	11.4	12.7		
JC1102	111	131	104	66	103	61.1	61.8	61.2	57.7	60.5	12.8	12.0	13.1	11.4	12.3		
Whetstone	105	128	102	69	101	61.2	63.5	62.4	55.2	60.6	12.9	13.6	13.9	13.2	13.4		
JC1103	118	120	104	62	101	60.1	61.6	60.6	58.8	60.3	13.1	12.3	13.3	11.3	12.5		
DAS 1	108	118	104	72	100	59.2	61.4	59.9	57.1	59.4	13.3	13.4	14.0	12.7	13.4		
WA 8182	111	118	94	73	99	59.8	60.3	59.9	56.7	59.2	12.9	13.0	14.1	11.9	13.0		
AP503CL2	108	124	92	71	99	61.7	64.1	63.3	58.2	61.8	12.4	13.4	14.1	12.0	13.0		
Bauermeister	68	101	101	65	84	59.0	58.0	58.8	54.3	57.5	12.4	12.3	12.6	12.6	12.5		
Sprinter (WA 8118)	83	97	96	49	81	58.8	60.5	60.1	56.0	58.8	14.6	15.5	15.0	13.8	14.8		
Finley	89	87	80	54	78	61.1	62.2	61.7	58.0	60.8	13.6	13.9	13.6	12.1	13.3		
Farnum	80	85	81	54	75	58.3	57.0	57.8	55.2	57.1	14.6	15.2	14.7	13.8	14.6		
<b>Hard White Winter</b>						<b>Test Wt (Lbs/Bu)</b>						<b>Protein (%)</b>					
OR2080227H	128	136	110	71	111	59.7	61.0	60.5	55.1	59.1	12.0	11.2	12.4	12.1	11.9		
OR2080229H	124	138	102	76	110	59.0	60.3	59.4	56.1	58.7	13.8	13.2	14.0	13.0	13.5		
WA 8184	128	135	101	75	110	60.4	61.2	60.6	55.6	59.5	12.7	12.5	13.0	12.2	12.6		
OR2080236H	129	127	104	77	109	59.2	59.1	57.9	56.5	58.2	13.3	12.0	13.5	12.9	12.9		
OR2080156H	120	128	100	89	109	60.2	61.3	60.0	58.6	60.0	13.1	13.2	14.9	11.8	13.3		
JC1101	107	126	112	81	107	61.6	62.6	62.2	59.5	61.5	12.4	12.4	12.6	11.1	12.1		
WA 8183	105	135	109	68	104	58.9	60.5	60.1	56.2	58.9	13.0	12.6	13.2	11.9	12.7		
<b>Soft White Winter</b>						<b>Test Wt (Lbs/Bu)</b>						<b>Protein (%)</b>					
Eltan	112	107	104	73	99	58.9	57.9	58.7	57.8	58.3	12.5	12.5	12.8	11.5	12.3		
<b>C.V. %</b>	8	8	5	12	8	1.4	0.9	1.3	2.4	1.6	2.5	3.5	3.1	9.3	5.2		
<b>LSD (0.10)</b>	9	10	5	10	4	0.9	0.6	0.8	1.5	0.5	0.3	0.5	0.4	1.2	0.4		
<b>Average</b>	113	125	104	73	104	59.8	60.9	60.3	57.0	59.5	12.9	12.8	13.4	12.1	12.8		
<b>Highest</b>	136	145	133	95	120	61.7	64.1	63.3	59.9	61.8	14.6	15.5	15.0	13.8	14.8		
<b>Lowest</b>	68	85	80	49	75	57.2	57.0	57.5	53.3	56.9	11.8	11.2	12.3	10.6	11.9		

## 2013 WSU Hard Winter Wheat Trial Summary Precipitation Zone >16" – Preliminary Data

1. Hard red and white winter wheat grain yield across four locations and 30 entries in the >16" precipitation zone averaged 104 bushels/acre, 6 bushels/acre higher than the 2012 average of 98 bushels/acre and 22 bushels/acre lower than the 2011 average of 126 bushels/acre. The CV for the average data was 8 and was lower than the 2012 CV value. In general the 2013 trials had good fall establishment, no stripe rust impact, but some differential late spring frost injury.
2. Yields among entries averaged across locations ranged from 75 to 120 bushels/acre and reflected a mostly average growing season. The hard red entries 'Keldin' and 'LCS Colonia' were the highest yielding named varieties averaged across locations and were the named varieties in the top 10% LSD range (4 bushels/acre) of the highest yield shown bolded.
3. Test weight averaged 59.5 lbs./bu across locations and entries and was lower than last year's 60.5 lbs./bu average. Grain protein averaged 12.8% and was higher than last year's 12.1% value.