

## 2014 WSU Variety Testing Hard Spring Wheat Trial Summary

### Precipitation Zone 16-20"

Variety Name	Dayton	Plaza	Reardan	St. John	Average	Dayton	Plaza	Reardan	St. John	Average	Dayton	Plaza	Reardan	St. John	Average
	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
	Dayton	Plaza	Reardan	St. John	Average	Dayton	Plaza	Reardan	St. John	Average	Dayton	Plaza	Reardan	St. John	Average
<b>Hard Red Spring</b>															
SAS W4	46	78	28	59	<b>53</b>	47.4	56.5	46.4	52.0	50.6	15.1	13.4	18.2	12.3	14.8
Glee-0W	47	76	29	57	<b>52</b>	59.6	59.8	57.3	60.9	59.4	13.9	14.0	16.4	13.6	14.5
Glee-G2	42	76	31	58	<b>52</b>	59.0	59.5	57.8	61.1	59.4	13.5	14.2	16.3	13.6	14.4
05SB84	48	72	27	53	50	55.3	56.3	54.5	57.9	56.0	13.5	13.6	16.1	13.3	14.2
SAS 4B	48	67	26	58	50	51.7	54.5	44.2	52.3	50.6	14.9	13.6	18.9	12.8	15.0
Glee (WA 8074)	40	76	29	54	50	59.4	60.5	57.6	60.7	<b>59.6</b>	13.7	13.8	16.4	14.0	14.5
10SB0087-B	45	65	29	59	50	58.5	59.2	55.6	60.4	58.4	13.8	13.4	16.8	14.2	14.6
Jefferson	41	70	28	58	49	59.6	59.9	57.4	60.1	59.3	14.1	13.8	17.0	14.2	14.8
11SB0096	44	65	32	55	49	54.5	58.1	55.4	58.2	56.5	14.1	13.1	16.0	13.4	14.1
WA 8217	42	76	27	49	49	58.8	60.1	56.7	59.4	58.8	14.3	13.5	17.0	14.8	14.9
WA 8165	43	65	29	56	48	59.0	60.9	56.6	60.7	59.3	15.1	14.5	17.8	15.6	15.8
WA 8218	41	69	29	52	48	58.0	60.3	55.7	60.1	58.5	13.9	14.4	18.3	13.8	15.1
SY Steelhead	45	67	28	51	48	58.9	61.4	56.7	60.8	59.4	14.5	15.0	17.6	15.7	15.7
Kelse	42	69	25	53	47	59.0	59.3	56.5	60.1	58.7	14.7	14.9	18.0	15.1	15.7
WA 8166 (Alum)	42	62	28	57	47	58.1	59.2	55.6	60.8	58.4	14.5	14.1	17.3	14.9	15.2
Scarlet	35	71	25	56	47	56.3	59.1	54.4	58.2	57.0	14.4	13.6	17.6	14.3	15.0
Bullseye	41	76	27	41	47	60.1	60.7	58.7	61.4	<b>60.2</b>	14.1	14.2	16.8	15.1	15.1
HRS 3419	42	66	26	51	46	56.2	56.0	54.0	56.9	55.8	14.7	14.1	17.6	14.0	15.1
Hollis	40	64	29	52	46	58.9	59.1	56.6	60.4	58.7	14.6	14.8	17.3	15.0	15.4
WA 8219	44	63	24	53	46	59.2	60.5	58.0	61.5	<b>59.8</b>	15.6	14.8	18.4	14.5	15.8
WA 8220	39	68	25	51	46	59.3	60.5	57.6	61.0	<b>59.6</b>	14.3	14.1	17.3	15.0	15.2
WB9879CLP	42	62	26	51	45	57.9	59.7	55.5	59.8	58.2	15.2	14.5	17.6	15.5	15.7
LCS-Buck Pronto	40	68	25	48	45	58.6	59.9	56.1	59.2	58.4	15.4	15.3	17.8	15.3	<b>15.9</b>
WB-Fuzion	42	64	27	47	45	59.2	59.0	56.9	59.5	58.7	14.5	14.4	17.6	15.1	15.4
HRS 3361	44	62	23	48	44	58.7	57.3	55.4	58.8	57.5	14.5	14.4	17.9	15.4	15.6
IDO862E	38	63	27	42	42	57.4	60.4	57.7	60.1	58.9	14.3	14.3	16.6	15.1	15.1
SY605 CL	34	63	30	40	42	59.9	61.6	57.6	60.4	<b>59.9</b>	15.4	14.8	18.7	16.0	<b>16.2</b>
<b>Hard White Spring</b>															
WB-Hartline	44	78	30	63	<b>54</b>	58.0	58.3	55.5	59.4	57.8	13.6	13.3	17.4	15.1	14.9
UC1741	44	74	29	59	51	57.5	56.6	53.1	56.4	55.9	13.5	13.0	15.8	13.4	13.9
LCS-Atomo	46	73	33	54	51	59.3	60.9	57.0	59.5	59.2	13.0	13.0	15.4	13.4	13.7
BR7030	42	74	28	59	51	58.6	60.7	57.0	60.4	59.2	13.4	13.1	16.8	13.4	14.2
IDO1202S	44	68	33	57	51	59.3	60.2	57.8	60.7	59.5	13.7	13.7	15.4	13.2	14.0
WA 8216	45	70	32	55	51	57.6	60.0	56.4	60.8	58.7	13.7	13.7	16.6	13.4	14.4
LCS-Star (08SB0658-B)	44	70	28	56	49	58.5	57.6	56.2	59.4	57.9	13.4	13.4	17.1	13.7	14.4
Dayn (WA 8123)	39	70	34	51	49	58.8	59.3	56.5	59.6	58.6	13.9	13.3	16.4	13.6	14.3
UC1744	43	66	30	55	49	57.2	58.2	55.3	58.7	57.4	14.0	14.4	17.2	14.9	15.1
Otis	33	68	25	63	47	58.3	60.1	53.6	60.8	58.2	13.6	12.7	16.5	13.5	14.1
UI-Platinum (IDO694C)	47	62	36	44	47	60.6	61.3	58.4	60.5	<b>60.2</b>	12.8	13.8	15.5	13.4	13.9
UC1743	37	64	27	45	43	57.0	56.3	54.9	56.9	56.3	15.6	14.7	18.2	15.8	<b>16.1</b>
Patwin 515	37	58	25	45	41	57.8	56.9	55.0	56.8	56.6	14.3	13.6	17.4	14.8	15.0
<b>Durum</b>															
Svevo	34	62	13	23	33	58.2	61.3	54.9	58.0	58.1	14.3	14.7	17.9	16.0	15.7
Soft Svevo	25	57	15	23	30	58.3	60.6	56.1	57.9	58.2	14.3	14.6	17.4	16.1	15.6
C.V. %	11	7	10	9	9	2.7	1.4	1.8	1.2	1.8	3.2	3.0	2.3	5.1	3.5
LSD (0.10)	5	5	3	5	2	1.6	0.9	1.1	0.8	0.6	0.5	0.5	0.4	0.8	0.3
Average	41	68	27	52	47	58.0	59.2	55.7	59.3	58.0	14.2	14.0	17.2	14.4	15.0
Highest	48	78	36	63	54	60.6	61.6	58.7	61.5	60.2	15.6	15.3	18.9	16.1	16.2
Lowest	25	57	13	23	30	47.4	54.5	44.2	52.0	50.6	12.8	12.7	15.4	12.3	13.7

## 2014 WSU Hard Spring Wheat Trial Summary Precipitation Zone 16-20” – Preliminary Data

1. Hard red and white spring wheat grain yield across four locations and 42 entries in the 16-20” precipitation zone averaged 47 bushels/acre and is 20 bushels/acre lower than the 2013 average of 67 bushels/acre. Results from Walla Walla were not included because they were atypical due to low yields and high variability. The Mayview trial was lost due to severe hail damage. The Plaza site is new for 2014. The CV (9) for the average data is higher than the 2013 CV (6).
2. Yields among entries averaged across locations ranged from 30 to 54 bushels/acre. ‘SAS W4’ was the highest yielding hard red entries and ‘WB-Hartline’ was the highest yielding hard white entry averaged across locations. Average yield values within the 10% LSD range (2 bushel/acre) of the highest yield are shown in bold and this included four of the 42 entries. Stripe rust was not a factor in these trials.
3. Test weight averaged 58.0 lbs/bu across locations and entries and was lower than last year’s 60.5 lbs/bu average. Grain protein averaged 15.0% and was higher than last year’s 13.9% protein value.