

2014 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone <12"

Variety Name	Bickleton	Connell	Horse Heaven	Lind	Average	Bickleton	Connell	Horse Heaven	Lind	Average	Bickleton	Connell	Horse Heaven	Lind	Average
	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
Hard Red Spring															
SAS W4	17	25	22	26	22	48.7	58.1	55.2	56.2	54.5	16.0	14.5	13.6	14.4	14.6
10SB0087-B	21	23	24	22	22	56.4	64.2	61.7	61.6	61.0	14.6	14.8	13.1	14.9	14.4
05SB84	20	22	23	22	22	54.0	63.3	59.4	61.1	59.4	13.8	15.2	13.5	15.2	14.4
SAS 4B	17	21	20	26	21	49.7	56.5	53.9	54.8	53.7	16.8	15.2	14.6	14.9	15.4
11SB0096	17	21	24	22	21	55.6	64.4	60.6	62.2	60.7	14.3	14.7	13.1	15.0	14.3
WA 8217	17	22	23	20	21	55.9	64.0	61.1	61.6	60.6	15.8	16.3	13.4	16.5	15.5
WA 8165	16	20	23	23	20	59.1	65.3	62.4	62.4	62.3	15.4	16.4	14.0	16.0	15.4
WA 8220	18	19	22	21	20	59.6	64.7	62.4	61.7	62.1	14.9	16.3	14.1	15.2	15.1
SY Steelhead	19	20	22	20	20	57.8	64.8	61.9	62.0	61.6	15.7	16.5	14.9	17.0	16.0
Kelse	18	20	21	21	20	57.8	64.6	61.1	63.1	61.6	15.2	16.7	14.4	16.5	15.7
WA 8219	18	18	21	22	20	59.0	64.7	61.4	62.3	61.8	16.4	16.5	15.1	16.6	16.2
WA 8218	18	21	21	20	20	57.8	64.1	61.5	61.4	61.2	14.0	15.6	13.7	16.8	15.0
Bullseye	18	18	24	19	20	59.0	66.4	62.0	64.0	62.8	14.9	16.0	13.9	15.5	15.1
WA 8166 (Alum)	15	19	22	23	20	57.9	65.0	61.9	62.3	61.8	15.4	15.7	13.7	15.6	15.1
Glee-0W	20	17	22	21	20	59.4	65.1	61.6	63.2	62.3	13.9	16.2	14.1	15.4	14.9
Glee-G2	16	18	21	23	20	59.0	65.1	61.7	62.4	62.0	14.7	16.0	14.0	15.3	15.0
WB9879CLP	17	20	21	20	20	57.6	63.9	60.7	59.8	60.5	15.6	16.6	14.6	16.6	15.9
Glee (WA 8074)	18	18	22	19	19	58.3	64.8	61.4	64.1	62.2	14.0	16.3	13.9	15.7	15.0
HRS 3419	18	20	20	19	19	52.9	63.1	58.6	62.0	59.2	16.2	15.3	14.1	15.1	15.2
Jefferson	17	19	20	20	19	56.5	64.6	61.3	63.6	61.5	15.4	16.0	14.4	16.2	15.5
SY605 CL	15	20	20	20	19	58.1	64.5	61.1	63.5	61.8	16.2	17.0	14.1	16.8	16.0
Hollis	15	19	20	20	19	57.4	64.3	60.8	62.5	61.2	15.7	16.2	14.3	15.9	15.5
HRS 3361	20	16	21	16	19	57.2	63.7	60.2	63.4	61.1	15.0	16.9	14.1	16.7	15.7
WB-Fuzion	17	18	19	19	18	57.5	64.2	60.3	63.2	61.3	14.9	17.2	14.9	17.0	16.0
IDO862E	17	18	21	16	18	57.8	64.5	61.9	64.0	62.0	14.2	16.9	13.8	16.7	15.4
Scarlet	16	18	21	18	18	55.2	63.5	60.4	61.8	60.2	14.7	16.7	13.9	17.0	15.6
LCS-Buck Pronto	15	17	19	18	17	56.7	64.0	60.3	63.4	61.1	15.8	17.8	15.0	17.1	16.4
Hard White Spring															
WA 8216	18	23	23	25	22	57.6	64.9	60.7	61.9	61.3	14.6	15.4	13.4	15.1	14.7
UC1741	20	22	21	25	22	53.1	61.6	58.4	60.8	58.5	13.9	13.9	13.0	14.0	13.7
LCS-Atomo	21	19	24	22	21	57.8	65.0	61.7	63.7	62.0	12.5	15.2	12.6	14.6	13.7
LCS-Star (08SB0658-B)	20	19	23	20	20	54.7	64.9	60.4	63.4	60.9	14.7	15.4	13.5	15.0	14.7
BR7030	18	22	22	20	20	55.9	65.3	61.9	63.5	61.6	15.0	16.0	13.6	16.1	15.2
UI-Platinum (IDO694C)	18	19	22	22	20	60.0	65.1	62.0	63.1	62.5	12.9	14.8	12.5	14.8	13.8
IDO1202S	15	21	22	24	20	56.6	64.3	61.0	61.5	60.8	15.7	15.5	13.9	15.8	15.2
WB-Hartline	20	19	23	19	20	55.6	64.5	60.2	63.1	60.9	15.4	16.6	13.8	16.5	15.6
UC1744	17	20	20	20	20	54.8	62.7	58.8	62.2	59.7	14.2	16.1	14.2	15.5	15.0
Otis	13	19	22	21	19	57.3	65.3	61.5	62.7	61.7	15.1	15.0	13.3	15.8	14.8
Dayn (WA 8123)	13	19	20	20	18	57.7	65.0	61.6	61.8	61.5	14.9	15.8	13.9	15.5	15.0
Patwin 515	18	16	19	18	18	54.6	63.1	60.5	62.8	60.2	15.6	15.7	13.8	15.6	15.2
UC1743	17	15	20	17	17	55.2	62.4	58.5	62.5	59.6	16.2	17.2	15.0	17.2	16.4
Durum															
Svevo	15	7	15	14	13	58.2	61.1	62.0	64.1	61.4	15.5	17.6	14.8	16.1	16.0
Soft Svevo	13	8	14	14	12	57.7	61.2	61.3	63.9	61.0	15.7	17.1	15.0	16.3	16.0
C.V. %	11	10	7	10	9	1.9	0.6	1.2	1.9	1.5	4.3	2.3	2.9	2.6	3.1
LSD (0.10)	2	2	2	2	1	1.2	0.4	0.8	1.3	0.5	0.7	0.4	0.4	0.4	0.3
Average	17	19	21	20	19	56.6	63.8	60.6	62.2	60.8	15.0	16.0	14.0	15.9	15.2
Highest	21	25	24	26	22	60.0	66.4	62.4	64.1	62.8	16.8	17.8	15.1	17.2	16.4
Lowest	13	7	14	14	12	48.7	56.5	53.9	54.8	53.7	12.5	13.9	12.5	14.0	13.7

2014 WSU Hard Spring Wheat Trial Summary Precipitation Zone <12" – Preliminary Data

1. Hard red and white spring wheat grain yield across four locations and 42 entries in the <12" precipitation zone averaged 19 bushels/acre and is lower than the 2013 average of 27 bushels/acre. The CV (9) for the average data is similar to the 2013 CV (10).
2. Yields among entries averaged across locations ranged from 12 to 22 bushels/acre. 'SAS W4' was the highest yielding hard red entries and 'LCS-Atomo' was the highest yielding hard white entry averaged across locations. Average yield values within the 10% LSD range (1 bushel/acre) of the highest yield are shown in bold and this included six of the 42 entries. Stripe rust was not a factor in these trials.
3. Test weight averaged 60.8 lbs/bu across locations and entries and was higher than last year's 60.3 lbs/bu average. Grain protein averaged 15.2 % and was the same as last year's 15.2% protein value.