

2014 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone <12"

Variety Name (Club <i>Italicized</i>)	Connell	Harrington	Horse Heaven	Lind	Ritzville	Average
Yield (Bu/A)						
CuriosityCL+ (WA 8143)	37	48	29	30	60	41
Otto	34	49	28	31	56	40
WA 8169	30	52	30	29	57	40
Xerpha	34	56	27	30	52	40
Eltan	37	45	26	29	61	39
Masami	34	50	24	29	59	39
WA 8202	32	45	29	32	56	39
MelaCL+ (WA 8155)	30	46	29	31	55	38
IDO1108	30	48	28	27	57	38
4J071366-1	29	48	26	28	59	38
ARS010780-3C	29	50	27	27	54	37
Bobtail (OR0807P94)	30	54	25	22	55	37
Eltan/Tubbs 06	31	45	26	28	55	37
ARS-Crescent	29	48	26	27	53	37
WA 8200	29	51	26	27	48	36
WA 8199	31	42	25	27	54	36
WA 8170	28	45	28	24	54	36
ARS010262-1C	26	48	28	26	50	36
ARS-Selbu (ARS970161-3I)	30	43	28	24	50	35
4J071246-1C	26	45	26	25	54	35
ORCF-103	20	45	30	27	53	35
LWW10-1073	30	43	28	23	50	35
OR2080641	28	49	23	24	48	34
Bruehl	28	42	27	21	53	34
Puma (WA 8134)	28	42	26	23	51	34
WA 8201	27	41	28	24	49	34
WB-Junction	30	42	23	22	52	34
IDN-01-10704A	27	41	21	25	53	34
ARS010679-1C	23	52	22	21	50	33
ARS-Amber	27	43	23	21	51	33
Coda	23	38	29	23	48	32
IDN-02-29001A	28	35	28	24	47	32
Kaseberg (OR2071628)	25	47	22	15	50	32
ORCF-102	28	40	28	16	47	32
Tubbs 06	28	41	24	22	43	32
IDN-04-00405B	22	46	23	21	46	31
Skiles	31	41	24	19	42	31
Madsen	28	42	23	17	42	30
Cara	22	40	21	22	47	30
ARS010729-1L	26	37	23	17	45	30
IDN-02-08806A	24	40	25	17	39	29
Trifecta	23	35	23	--- ¹	40	--- ²
Stephens	25	38	21	--- ¹	34	--- ²
LWW12-7105	18	37	21	--- ¹	36	--- ²
OR2090473	20	36	25	--- ¹	31	--- ²
LCS-Biancor	--- ¹	35	19	--- ¹	--- ¹	--- ²
LWW-04-4009	17	35	24	--- ¹	--- ¹	--- ²
OR2071071 (Rosalyn)	--- ¹	21	25	--- ¹	--- ¹	--- ²
C.V. %	12	11	9	12	8	11
LSD (0.10)	3	5	3	3	4	2
Average	28	43	25	24	50	35
Highest	37	56	30	32	61	41
Lowest	17	21	19	15	31	29

Connell	Harrington	Horse Heaven	Lind	Ritzville	Average
Test Wt (Lbs/Bu)					
61.6	60.3	60.6	62.3	61.0	61.2
61.3	60.8	60.4	62.1	60.8	61.1
59.2	59.6	57.0	60.5	59.9	59.2
60.5	58.7	59.6	61.8	60.2	60.2
62.0	60.1	61.1	62.7	60.7	61.3
59.1	59.2	59.8	61.0	60.3	59.9
61.7	57.8	60.5	62.8	61.3	60.8
61.4	58.8	60.7	62.8	61.3	61.0
59.9	57.6	58.4	60.6	59.6	59.2
61.0	59.7	60.4	62.4	59.8	60.7
60.9	59.7	60.2	62.4	60.5	60.7
57.5	57.6	56.5	58.3	57.5	57.5
59.3	60.5	59.6	62.1	60.7	60.5
60.6	59.3	58.8	61.9	59.9	60.1
61.4	59.7	60.7	61.9	61.9	61.1
60.1	58.1	59.0	60.9	60.5	59.7
60.5	61.0	58.3	60.1	60.3	60.0
61.1	61.0	60.3	62.7	61.0	61.2
61.0	60.3	59.7	61.7	60.9	60.7
60.2	59.5	59.8	60.9	59.4	60.0
61.2	60.2	60.4	61.8	60.3	60.8
59.5	58.4	58.2	60.3	60.5	59.4
58.1	59.1	59.7	60.7	61.1	59.7
59.8	58.1	59.5	60.8	58.4	59.3
61.1	58.2	60.0	61.9	60.8	60.4
60.3	60.1	58.4	60.6	60.8	60.0
61.2	61.6	61.1	62.7	61.9	61.7
59.7	59.4	59.3	60.9	60.3	59.9
57.9	58.7	59.6	60.9	58.7	59.2
60.2	57.2	59.8	61.6	59.4	59.6
62.1	61.0	61.4	62.2	61.5	61.6
60.7	61.3	60.4	61.5	62.0	61.2
59.9	60.1	60.3	60.4	60.1	60.2
60.2	58.2	60.4	60.3	60.9	60.0
58.9	59.0	58.5	60.2	60.3	59.4
58.8	59.0	58.5	61.5	60.4	59.6
60.0	57.6	59.7	59.4	61.3	59.6
60.5	57.7	59.9	59.9	61.0	59.8
58.4	55.2	59.0	59.3	58.3	58.0
61.9	62.9	60.0	60.5	62.2	61.5
60.2	59.0	60.8	60.8	61.2	60.4
61.5	62.2	61.6	--- ¹	61.9	--- ²
57.6	57.4	59.0	--- ¹	59.7	--- ²
58.1	60.4	60.1	--- ¹	59.6	--- ²
58.0	58.0	57.1	--- ¹	58.1	--- ²
--- ¹	58.0	60.2	--- ¹	--- ¹	--- ²
60.9	59.2	60.3	--- ¹	--- ¹	--- ²
--- ¹	58.2	56.1	--- ¹	--- ¹	--- ²
1.2	3.4	1.0	1.0	0.7	1.7
0.7	2.1	0.7	0.6	0.4	0.5
60.1	59.3	59.6	61.2	60.4	60.2
62.1	62.9	61.6	62.8	62.2	61.7
57.5	55.2	56.1	58.3	57.5	57.5

Connell	Harrington	Horse Heaven	Lind	Ritzville	Average
Protein (%)					
11.8	10.5	11.6	12.1	7.8	10.8
12.3	10.7	11.8	12.6	7.8	11.0
12.7	9.6	12.2	12.9	8.3	11.1
11.8	8.6	12.1	12.5	7.6	10.5
12.6	9.8	11.8	12.1	8.0	10.9
11.8	10.5	11.7	12.2	7.4	10.7
12.6	10.8	12.4	12.7	8.1	11.3
11.8	9.5	11.6	12.0	8.6	10.7
12.1	10.2	12.3	13.6	8.3	11.3
12.0	10.4	12.5	12.4	8.3	11.1
12.4	9.4	12.4	12.7	8.2	11.0
11.5	9.1	11.4	11.5	7.3	10.2
12.6	9.7	12.2	11.9	8.3	10.9
12.0	9.1	12.5	12.5	8.3	10.9
11.6	9.8	11.7	12.2	8.9	10.8
12.2	10.1	12.0	12.9	8.2	11.1
12.3	11.4	12.4	13.5	8.9	11.7
12.4	9.8	12.1	12.9	9.2	11.3
12.6	9.7	12.7	13.6	8.7	11.5
12.1	9.6	12.0	12.7	8.2	10.9
12.5	10.6	12.0	12.4	9.4	11.4
13.4	10.7	12.8	13.7	9.1	11.9
12.2	10.2	11.7	12.6	8.5	11.1
12.5	9.8	12.0	13.0	7.4	10.9
12.6	10.4	12.3	14.0	8.9	11.6
12.1	11.0	12.0	12.8	9.4	11.5
12.5	11.3	12.3	13.4	8.4	11.6
12.0	10.9	11.9	12.8	8.5	11.2
13.3	9.7	13.3	13.3	7.3	11.4
12.5	9.7	12.0	12.6	7.8	10.9
12.7	10.4	12.8	13.3	8.8	11.6
13.0	11.3	12.2	13.8	8.9	11.9
11.6	10.1	11.9	12.9	8.2	10.9
13.1	10.1	12.2	13.9	8.4	11.5
12.4	10.4	12.2	13.1	9.0	11.4
12.2	10.4	11.8	12.2	9.0	11.1
12.9	11.9	13.1	15.0	8.6	12.3
13.0	10.4	12.3	14.6	9.2	11.9
12.0	11.0	12.3	13.4	8.2	11.4
12.5	10.7	12.1	13.8	9.3	11.7
12.2	10.8	11.9	13.3	9.4	11.5
13.5	11.3	12.4	--- ¹	9.8	--- ²
13.1	10.2	12.3	--- ¹	9.6	--- ²
13.5	12.2	12.0	--- ¹	9.9	--- ²
11.3	9.8	11.5	--- ¹	9.9	--- ²
--- ¹	10.7	11.3	--- ¹	--- ¹	--- ²
13.3	12.2	12.9	--- ¹	--- ¹	--- ²
--- ¹	11.1	11.9	--- ¹	--- ¹	--- ²
3.5	8.4	2.6	2.6	6.4	4.8
0.5	0.9	0.3	0.4	0.6	0.3
12.4	10.4	12.1	13.0	8.6	11.3
13.5	12.2	13.3	15.0	9.9	12.3
11.3	8.6	11.3	11.5	7.3	10.2

¹ - Low Stand, No Data

² - No Data From One or More Locations

2014 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone <12” – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 48 entries in the <12” precipitation zone averaged 35 bushels/acre, 15 bushels/acre lower than the 2013 average of 50 bushels/acre. The CV for the average data was 11, similar to the 2013 CV value. Crop emergence in the 2014 trials was poor at St. Andrews and reduced for some entries at Lind by crusting, over-winter some varieties were affected by winter stand losses. This precluded further data acquisition at St. Andrews. Careful interpretation of results is needed for this data set with those limitations.
2. Yields among entries across five locations ranged from 29 to 41 bushels/acre and reflected the below average growing season. ‘Curiosity CL+’, ‘Otto’, and ‘Xerpha’ were the highest yielding named varieties averaged across locations. Stripe rust was not a factor in these trials.
3. Test weight averaged 60.2 lbs./bu across locations and entries and was similar to last year’s 59.9 lbs./bu average. Grain protein averaged 11.3%, also similar to last year’s 11.2% value.