

2014 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone >20"

Variety Name (Club <i>Italicized</i>)	Yield (Bu/A)						Test Wt (Lbs/Bu)						Protein (%)					
	Colton	Fairfield	Farmington	Moses Lake (Irrigated)	Pullman	Average	Colton	Fairfield	Farmington	Moses Lake (Irrigated)	Pullman	Average	Colton	Fairfield	Farmington	Moses Lake (Irrigated)	Pullman	Average
WA 8169	118	110	104	185	106	125	57.8	57.6	57.3	59.4	58.0	58.0	10.3	9.2	11.6	11.1	9.9	10.4
Xerpha	111	111	93	166	121	121	59.7	58.8	58.8	60.8	60.1	59.6	10.3	9.5	11.4	11.6	9.3	10.4
IDO1108	113	104	88	176	111	118	58.3	57.8	58.2	58.1	59.0	58.3	10.0	9.2	12.0	11.5	9.0	10.3
SY 107	112	103	90	157	109	114	59.8	58.7	58.2	58.7	59.1	58.9	9.7	9.4	11.7	11.3	9.2	10.3
WA 8204	109	95	90	164	114	114	60.9	59.4	59.7	61.3	60.4	60.3	10.1	10.3	11.9	11.6	9.7	10.7
Tubbs 06	108	95	83	171	114	114	58.7	57.4	58.4	58.8	59.4	58.5	10.7	9.6	11.8	11.5	9.2	10.6
IDN-01-10704A	107	95	86	175	107	114	59.8	57.2	58.1	60.4	58.3	58.8	9.7	10.0	11.5	11.0	9.8	10.4
<i>Bruehl</i>	107	105	89	163	104	114	57.2	57.3	59.1	56.6	57.4	57.5	10.5	9.0	11.7	11.9	9.6	10.5
IDN-02-08806A	105	95	90	182	96	113	60.3	58.4	59.8	61.8	60.6	60.2	10.5	10.2	11.5	11.1	10.4	10.7
WA 8206	112	100	86	163	106	113	62.2	60.3	60.9	62.4	61.6	61.5	10.6	10.1	12.1	11.0	10.6	10.9
WA 8203	114	99	97	151	106	113	59.7	58.2	59.6	59.2	59.9	59.3	10.4	9.6	11.3	11.4	9.5	10.4
WA 8176	112	104	84	165	100	113	61.5	60.6	60.8	61.3	60.8	61.0	10.4	10.1	12.0	11.9	11.2	11.1
WA 8173	109	106	98	147	106	113	57.9	58.0	57.8	59.0	58.6	58.3	10.8	9.6	12.1	11.4	9.6	10.7
Bobtail (OR0807P94)	106	110	88	150	112	113	55.3	55.3	54.2	58.5	55.9	55.8	11.0	9.5	11.5	11.1	8.4	10.3
Mary	102	105	94	158	107	113	59.5	58.5	59.2	59.6	58.7	59.1	10.4	9.7	11.4	11.7	11.2	10.9
Puma (WA 8134)	110	92	80	179	104	113	60.0	57.7	58.6	60.9	59.8	59.4	10.3	9.4	12.3	11.2	8.9	10.4
Skiles	110	103	92	157	101	112	60.2	58.8	59.0	60.4	59.2	59.5	11.0	10.5	12.5	11.9	12.2	11.6
WA 8187	106	99	87	156	112	112	59.5	59.1	60.5	61.1	60.7	60.2	10.9	10.6	11.9	11.4	9.9	10.9
<i>ARS-Crescent</i>	110	111	85	156	98	112	58.4	58.3	58.6	58.4	57.3	58.2	10.0	9.3	11.8	11.6	10.8	10.7
Bruneau	104	101	82	163	108	112	59.8	58.9	59.1	60.6	59.8	59.6	10.1	10.0	11.2	10.9	9.1	10.3
Eltan	112	105	94	147	99	112	60.4	58.6	60.4	60.4	60.0	60.0	10.1	9.1	11.8	11.5	9.2	10.4
IDN-02-29001A	103	97	89	162	107	112	61.5	59.6	60.0	60.0	60.8	60.4	10.5	10.1	12.1	11.6	10.3	10.9
WB-528	105	94	82	170	106	111	62.0	59.3	60.6	61.7	61.2	61.0	11.1	10.6	11.7	11.2	10.3	11.0
SY Ovation	107	99	76	176	95	110	60.4	58.8	58.5	60.3	60.7	59.8	10.3	9.4	12.2	11.1	9.0	10.4
<i>ARS010262-1C</i>	105	101	91	148	107	110	60.9	59.7	60.1	60.7	60.9	60.4	10.6	10.0	12.0	11.7	10.0	10.9
IDN-03-29902A	103	98	84	157	109	110	59.2	58.7	57.7	60.3	59.9	59.2	10.4	9.8	11.9	11.6	9.3	10.6
Kaseberg (OR2071628)	110	97	82	160	102	110	59.3	57.6	56.9	58.9	58.7	58.3	10.2	9.7	12.1	11.2	8.9	10.4
LCS-Artdeco (NSA06-2153A)	112	92	91	140	114	110	59.1	56.0	57.7	59.3	58.7	58.2	9.9	10.0	10.3	10.3	9.9	10.1
WB 523	98	93	86	161	112	110	60.7	59.4	60.6	61.3	60.8	60.6	10.8	10.4	11.6	11.7	10.3	11.0
<i>ARS-Chrysal</i>	102	107	80	164	97	110	60.7	59.1	58.0	60.1	58.6	59.3	10.8	9.4	13.7	11.4	8.8	10.8
OR2090473	112	92	92	148	104	110	57.6	56.9	56.8	58.6	57.1	57.4	10.2	9.9	11.2	11.3	9.9	10.5
Otto	102	97	91	156	102	110	59.6	58.4	59.7	60.2	59.1	59.4	11.0	9.9	12.3	12.2	10.3	11.1
<i>Coda</i>	112	103	81	142	106	109	61.6	60.7	61.0	62.4	61.1	61.3	10.6	9.9	12.5	12.2	10.7	11.2
ORCF-102	102	95	84	156	108	109	61.2	58.9	59.4	59.7	60.1	59.9	10.7	10.5	12.8	11.3	9.4	10.9
ARS010729-1L	108	95	76	165	100	109	61.4	60.5	59.8	61.9	62.1	61.2	10.7	9.6	12.1	12.0	9.0	10.7
ARS-Selbu (ARS970161-3L)	99	99	78	166	101	109	61.2	60.0	59.7	61.3	61.3	60.7	10.4	9.9	12.4	11.6	9.8	10.8
WB-1070CL	101	89	81	158	112	108	62.6	60.2	61.3	63.2	63.1	62.1	11.2	11.6	12.9	11.5	11.2	11.7
ARS-Amber	105	101	82	143	105	108	59.8	58.2	59.3	58.7	58.7	58.9	10.0	9.4	11.4	11.2	9.2	10.2
WB-Junction	103	98	79	164	94	108	61.7	58.9	59.5	61.8	61.1	60.6	10.3	9.6	12.5	11.0	9.5	10.6
Legion	108	97	84	148	99	107	58.8	57.6	58.8	58.2	59.2	58.5	10.4	9.5	11.1	11.5	9.1	10.3
Trifecta	100	88	77	163	99	105	61.3	59.2	60.0	61.6	61.3	60.7	10.8	10.5	11.9	11.3	9.8	10.9
AP700 CL	97	84	80	167	98	105	59.0	57.7	58.5	59.8	58.9	58.8	10.3	10.5	11.8	11.9	11.4	11.2
WA 8177	96	98	78	150	104	105	59.0	58.7	57.2	59.3	60.2	58.9	11.1	10.4	13.2	12.2	10.5	11.5
Masami	88	100	89	146	104	105	57.5	57.0	57.5	56.6	58.5	57.4	10.4	9.6	11.7	11.6	9.5	10.5
WB 456	101	92	75	163	94	105	62.0	59.1	60.0	62.6	61.8	61.1	11.3	11.3	12.5	11.7	10.4	11.4
<i>ARS010780-3C</i>	94	99	81	156	95	105	59.9	58.4	59.3	60.4	59.6	59.5	11.4	10.0	12.8	12.1	10.7	11.4
LWW12-7105	102	93	87	135	107	105	58.4	56.7	56.0	57.0	57.9	57.2	10.0	10.4	11.3	11.2	9.7	10.5
LWW-04-4009	100	98	76	147	103	105	61.0	59.5	60.2	62.1	60.5	60.6	11.2	10.2	12.1	12.3	10.7	11.3
WA 8188	97	100	88	143	94	104	60.0	59.3	60.3	60.4	60.0	60.0	11.2	10.6	12.3	12.1	11.9	11.6
WA 8205	99	94	80	153	96	104	60.1	59.7	60.5	60.0	60.5	60.1	11.0	10.0	12.1	11.8	10.9	11.2
Stephens	99	87	70	165	98	104	59.5	58.1	58.3	59.4	59.6	59.0	10.6	10.2	11.7	11.1	10.0	10.7
OR2080641	98	94	74	152	101	104	59.4	58.3	56.9	59.2	59.1	58.6	10.0	10.2	12.0	11.0	9.4	10.5
Ladd (OR2070870)	97	95	79	142	104	104	59.3	58.3	59.3	59.7	60.0	59.3	11.2	10.5	12.2	12.6	10.5	11.4
<i>Cara</i>	93	95	90	146	93	103	58.5	57.2	57.4	58.4	56.5	57.6	10.4	10.5	12.4	12.7	10.7	11.4
Madsen	102	94	71	149	98	103	59.4	58.6	57.9	59.6	59.8	59.0	11.1	10.3	13.4	12.0	10.3	11.4
WA 8212	96	95	89	133	93	101	59.2	58.2	58.2	59.3	59.4	58.8	10.9	10.7	12.9	12.0	10.2	11.3
IDN-04-00405B	95	85	77	157	91	101	58.7	57.5	56.7	59.9	57.6	58.1	10.7	10.0	12.1	11.3	11.6	11.2
OR2071071 (Rosalyn)	98	95	83	124	103	101	55.2	54.3	55.5	57.8	55.5	55.7	10.4	9.8	11.3	11.3	9.5	10.5
ORCF-103	102	95	81	118	92	97	59.7	57.5	59.0	57.8	59.5	58.7	10.4	10.6	12.6	11.8	10.0	11.1
LCS-Biancor	98	84	69	125	94	94	58.3	57.3	55.5	58.4	57.6	57.4	10.2	9.9	11.4	11.0	9.3	10.4
C.V. %	7	5	8	7	7	7	1.0	0.9	1.2	1.4	1.2	1.2	4.8	4.3	4.1	2.7	10.1	5.5
LSD (0.10)	8	5	7	11	8	4	0.7	0.5	0.8	0.9	0.8	0.3	0.5	0.5	0.5	0.3	1.1	0.3
Average	104	98	84	156	103	109	59.7	58.4	58.8	59.9	59.5	59.3	10.5	10.0	12.0	11.5	10.0	10.8
Highest	118	111	104	185	121	125	62.6	60.7	61.3	63.2	63.1	62.1	11.4	11.6	13.7	12.7	12.2	11.7
Lowest	88	84	69	118	91	94	55.2	54.3	54.2	56.6	55.5	55.7	9.7	9.0	10.3	10.3	8.4	10.1

2014 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone >20" – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 60 entries in the >20" precipitation zone averaged 109 bushels/acre, equivalent to the 2013 average of 108 bushels/acre and close to the 2012 average of 106 bushels/acre. The overall CV for the 2013 average data was 7, higher than the 2013 CV value likely due to an influence by lower available water. In general the 2014 trials had good fall establishment, no stripe rust impact, but there was some overwinter stand loss on sensitive entries as noted on individual site results.
2. Yields among entries averaged across locations ranged from 94 to 125 bushels/acre and reflected an early and warm growing season. 'Xerpha' was the highest yielding named variety averaged across locations and is in a top 10% LSD range (4 bushels/acre).
3. Test weight averaged 59.3 lbs./bu across locations and entries and was higher than last year's 58.6 lbs./bu average. Grain protein averaged 10.8% and was numerically the same as last year.