

2013 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone >20"

Variety Name (Club Italicized)	Colton	Fairfield	Farmington	Moses Lake (Irrigated)	Pullman	Average												
							Colton	Fairfield	Farmington	Moses Lake (Irrigated)	Pullman	Average						
	Yield (Bu/A)						Test Wt (Lbs/Bu)						Protein (%)					
Mary	103	99	119	123	154	120	59.2	59.2	59.3	57.7	61.6	59.4	11.5	9.9	10.1	12.1	10.0	10.7
JC1108	119	91	116	107	153	117	58.4	58.5	58.0	54.9	59.4	57.8	10.6	10.0	10.5	13.0	9.1	10.7
Bruneau	106	81	123	125	148	117	58.6	58.5	58.0	57.1	60.0	58.4	10.5	9.9	10.5	11.6	9.4	10.4
OR2080641	101	83	107	131	156	115	58.9	59.1	57.8	57.5	60.8	58.8	10.9	9.4	10.5	11.4	9.5	10.4
ARS010729-1L	108	78	110	131	147	115	61.1	60.9	59.1	58.6	62.2	60.4	10.6	10.3	10.8	11.5	10.2	10.7
Puma (WA 8134)	112	80	119	121	141	114	59.1	58.8	58.8	58.5	60.4	59.1	11.4	10.3	10.1	11.1	9.6	10.5
03-29902A	119	77	111	117	148	114	58.9	58.1	58.9	57.6	60.2	58.7	10.9	10.5	9.7	11.0	9.5	10.3
Bobtail (OR0807P94)	105	71	113	127	151	113	55.3	56.4	56.8	55.3	58.3	56.4	11.0	10.0	10.1	11.6	9.5	10.5
LWW10-1018	112	79	119	111	142	113	57.0	57.2	56.6	54.9	58.3	56.8	10.7	11.2	10.0	11.3	9.8	10.6
LCS-Artdeco (NSA06-2153A)	101	80	125	115	142	112	58.2	57.2	57.3	57.0	59.8	57.9	10.4	10.4	9.7	11.0	9.6	10.2
OR2071071 (Rosalyn)	105	72	112	131	142	112	56.5	56.9	54.6	56.3	56.0	56.1	10.5	10.8	10.7	11.2	9.4	10.5
99-06202A	107	77	119	110	148	112	59.1	58.9	58.8	57.0	60.4	58.8	10.5	10.7	10.2	12.0	9.4	10.6
SY Ovation	108	72	116	124	140	112	60.0	58.8	59.9	58.0	60.9	59.5	11.3	10.1	10.4	10.8	9.7	10.5
02-10606A	108	82	118	106	146	112	58.4	58.3	58.7	58.0	60.2	58.7	10.4	9.8	9.6	11.2	9.2	10.0
WA 8173	112	79	121	102	142	111	57.3	57.1	57.8	56.7	59.1	57.6	10.9	10.5	10.2	12.8	9.2	10.7
Tubbs 06	106	90	111	99	148	111	57.8	58.4	57.0	55.2	60.3	57.7	10.6	9.7	9.7	12.7	9.1	10.4
WA 8171	112	78	116	100	148	111	59.1	58.8	58.5	56.4	60.3	58.6	10.2	10.2	10.2	11.4	9.6	10.4
AP 700 CL	104	77	116	120	136	111	59.1	59.0	59.3	55.7	60.7	58.8	11.4	10.7	11.0	12.4	9.8	11.1
ARS-Crescent	100	98	105	95	150	110	58.3	58.8	57.6	55.7	59.4	58.0	10.1	9.2	10.4	11.4	9.6	10.2
WA 8172	113	81	119	90	144	109	58.5	58.4	59.1	55.3	60.4	58.3	10.8	9.8	9.6	12.3	9.6	10.4
WA 8155	110	87	122	87	140	109	59.3	60.4	59.5	57.3	60.5	59.4	11.4	9.6	10.3	11.9	8.7	10.4
WA 8153	105	71	113	116	138	108	59.2	58.7	58.0	58.3	60.6	59.0	11.4	11.1	10.2	11.3	9.5	10.7
ARS-Selbu (ARS970161-3L)	102	72	103	117	147	108	60.9	59.5	60.7	57.4	62.4	60.2	11.1	10.9	10.7	12.9	10.2	11.2
Madsen	100	85	109	110	136	108	57.8	58.0	58.0	57.1	60.1	58.2	12.2	10.5	11.0	12.3	9.9	11.2
ARS98X402-1C	100	87	118	102	134	108	59.7	58.9	59.4	54.8	59.0	58.4	10.4	10.4	9.8	12.2	9.7	10.5
WA 8175	109	76	119	91	146	108	58.4	58.5	58.3	56.0	60.3	58.3	10.3	10.2	10.5	12.1	9.3	10.5
WA 8151	100	73	111	105	152	108	58.6	57.7	57.5	56.4	60.2	58.1	10.7	10.3	10.1	10.9	9.5	10.3
Trifecta	100	82	111	110	136	108	60.8	59.7	59.8	57.9	62.0	60.0	11.9	11.0	10.7	13.2	9.9	11.3
ARS97230-6C	97	67	114	120	142	108	59.7	60.1	58.8	57.0	60.5	59.2	11.4	10.7	10.3	11.4	9.5	10.7
LWW-04-4009	112	74	113	96	140	107	60.7	59.4	59.2	58.6	60.5	59.7	10.7	11.5	10.1	12.1	9.5	10.8
WA 8154	107	73	113	100	142	107	60.8	59.3	59.7	57.5	61.1	59.7	11.3	11.7	10.5	13.0	10.0	11.3
Xerpha	115	59	117	98	144	107	59.3	58.4	58.3	56.9	60.1	58.6	10.1	10.5	9.9	12.6	8.9	10.4
Bruehl	107	97	107	89	133	107	57.3	57.9	57.1	52.7	57.4	56.5	10.7	10.3	9.8	13.0	9.3	10.6
WA 8176	103	74	109	115	133	107	58.8	58.8	57.9	56.9	59.6	58.4	10.5	10.4	10.0	11.5	9.7	10.4
Skiles	101	81	104	112	133	106	58.6	59.1	58.1	56.8	61.0	58.7	11.7	11.1	11.4	12.8	10.4	11.5
Kaseberg (OR2071628)	101	70	110	104	146	106	58.1	57.8	57.2	53.4	60.0	57.3	10.5	9.9	10.2	12.5	9.1	10.4
ARS-Amber	106	76	116	100	131	106	58.9	58.8	58.3	55.6	59.7	58.3	10.6	10.0	10.4	13.0	9.2	10.7
ORCF-103	104	71	113	100	142	106	58.9	60.2	58.3	55.2	60.2	58.6	11.4	10.2	10.2	12.6	9.1	10.7
ARS010746-2C	98	63	107	117	144	106	58.8	59.0	58.3	54.8	60.7	58.3	12.1	11.7	10.9	14.1	9.7	11.7
Legion	109	70	112	95	141	105	58.2	58.4	57.7	55.9	59.5	57.9	10.7	9.7	10.1	12.9	9.5	10.6
WA 8174	96	79	104	103	145	105	58.3	57.9	57.6	56.9	60.5	58.2	10.9	10.5	10.4	12.2	9.8	10.7
Eltan	113	79	116	80	139	105	59.0	60.0	59.9	55.3	60.3	58.9	10.7	9.9	10.2	12.4	9.5	10.5
ARS990077-1C	103	65	106	102	146	105	60.0	58.6	59.1	55.3	59.9	58.6	11.2	10.4	10.6	13.1	8.8	10.8
4J071246-1C	99	81	111	86	146	105	57.5	58.0	58.1	54.5	57.9	57.2	11.2	10.3	10.4	12.2	9.5	10.7
OR2080924	96	76	102	111	138	105	56.2	56.4	54.9	54.7	57.6	56.0	10.9	10.1	10.7	12.3	9.8	10.8
Coda	101	84	107	96	134	104	61.9	60.2	61.3	58.4	61.4	60.6	11.0	10.3	10.6	12.3	9.8	10.8
Stephens	101	78	106	93	144	104	59.5	58.1	58.8	55.8	60.3	58.5	10.7	11.2	10.7	12.5	10.4	11.1
ARS010780-3C	90	70	99	124	137	104	60.2	58.7	58.4	56.4	60.0	58.8	11.5	10.0	11.2	12.3	10.9	11.2
Ladd (OR2070870)	98	71	104	116	130	104	59.1	58.4	57.3	57.8	59.6	58.4	11.6	10.9	11.5	12.4	10.0	11.3
WB 523	99	60	110	113	137	104	60.1	59.8	59.3	57.4	61.9	59.7	11.1	11.4	10.8	13.0	9.8	11.2
ARS-Chrysal	102	75	108	95	137	103	59.8	59.2	58.3	55.4	60.4	58.6	11.4	11.0	10.7	12.1	9.8	11.0
WA 8142	97	70	105	114	128	103	60.1	59.8	60.0	58.2	60.9	59.8	11.7	11.2	11.3	12.7	10.1	11.4
WB-Junction	94	69	117	99	134	103	61.0	59.8	59.8	56.7	62.2	59.9	11.0	11.1	10.8	12.6	10.0	11.1
Cara	99	71	104	105	133	102	57.2	58.2	57.2	54.8	59.3	57.3	11.3	10.0	10.4	13.5	9.8	11.0
WB 456	94	66	104	117	128	102	61.1	59.6	60.4	57.9	62.4	60.3	12.1	11.3	11.9	13.6	11.7	12.1
WB-528	97	68	110	101	132	102	60.8	60.0	59.9	58.1	61.8	60.1	11.7	10.9	10.8	12.1	9.8	11.1
AP Legacy	94	72	96	106	137	101	58.9	58.5	57.5	57.3	60.3	58.5	10.9	10.2	10.7	12.2	9.5	10.7
WB-1070CL	91	64	98	126	113	98	62.6	61.5	61.4	59.0	63.0	61.5	12.6	11.9	12.7	12.1	11.2	12.1
Masami	90	69	101	85	139	97	57.4	57.8	56.7	53.9	59.6	57.1	11.1	10.5	10.4	11.3	9.5	10.6
C.V. %	7	11	5	9	5	7	1.0	1.2	1.4	2.2	0.9	1.4	4.2	7.0	5.2	6.2	5.9	5.8
LSD (0.10)	8	9	6	10	8	4	0.6	0.7	0.9	1.3	0.5	0.4	0.5	0.8	0.6	0.8	0.6	0.3
Average	103	76	111	108	141	108	59.0	58.7	58.4	56.5	60.2	58.6	11.0	10.5	10.5	12.2	9.7	10.8
Highest	119	99	125	131	156	120	62.6	61.5	61.4	59.0	63.0	61.5	12.6	11.9	12.7	14.1	11.7	12.1
Lowest	90	59	96	80	113	97	5											

2013 WSU Soft White Winter Wheat Trial Summary Precipitation Zone >20" – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 59 entries in the >20" precipitation zone averaged 108 bushels/acre, equivalent to the 2012 average of 106 bushels/acre but lower than the 2010 average of 139 bushels/acre. The CV for the average data was 4 and equal to 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 97 to 120 bushels/acre and reflected a mostly average growing season. 'Mary' and 'Bruneau' were the highest yielding named varieties averaged across locations and are within a 10% LSD range (4 bushels/acre) of each other.
3. Test weight averaged 58.6 lbs./bu across locations and entries and was lower than last year's 59.1 lbs./bu average. Grain protein averaged 10.8% and was slightly higher than last year's 10.5% average.