

# 2013 WSU Variety Testing Soft White Winter Wheat Trial Summary

## Precipitation Zone 16-20"

Variety Name (Club <i>Italicized</i> )	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Yield (Bu/A)						Test Wt (Lbs/Bu)						Protein (%)					
							Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average
OR2080641	131	120	122	149	105	125	59.5	60.2	60.3	58.2	59.0	59.4	11.0	10.2	11.5	11.3	10.0	10.8						
Bobtail (OR0807P94)	125	111	126	147	101	122	58.4	58.0	59.4	57.2	57.0	58.0	10.2	10.2	11.1	11.2	9.5	10.4						
WA 8173	132	126	126	120	96	120	59.5	60.0	59.9	57.6	57.3	58.9	10.7	10.1	11.3	12.2	10.3	10.9						
ARS-Selbu (ARS970161-3L)	125	109	125	135	102	119	61.6	61.9	61.9	60.7	59.9	61.2	11.4	11.2	11.9	11.6	10.5	11.3						
ARS97230-6C	119	114	120	148	92	119	59.0	60.2	61.6	58.9	58.5	59.7	11.3	9.5	11.6	9.9	10.0	10.5						
ARS-Crescent	126	116	126	126	100	119	59.6	59.1	60.6	58.3	59.0	59.3	10.9	10.1	11.6	11.4	10.1	10.8						
Puma (WA 8134)	130	117	124	125	95	118	60.3	60.3	60.8	57.6	60.1	59.8	11.1	10.1	11.8	11.5	9.6	10.8						
Mary	134	131	124	109	92	118	61.0	61.2	60.9	56.4	58.6	59.6	11.2	10.0	11.7	12.0	9.6	10.9						
WA 8151	123	117	115	141	92	117	59.8	60.3	60.5	57.9	58.6	59.4	10.4	9.9	11.4	10.7	8.8	10.3						
OR2080924	134	113	109	136	91	116	58.4	58.3	57.7	55.5	56.7	57.3	11.1	10.4	11.9	11.5	9.8	11.0						
OR2071071 (Rosalyn)	134	108	106	142	89	116	58.7	57.5	59.0	55.8	56.1	57.4	10.2	9.9	10.4	11.2	9.1	10.2						
03-29902A	124	117	120	128	87	115	60.6	60.8	60.3	59.1	58.9	60.0	11.2	9.9	11.5	10.0	9.8	10.5						
ARS010729-1L	135	122	111	112	96	115	61.5	62.2	62.3	60.0	60.3	61.3	10.8	10.0	11.7	11.1	9.4	10.6						
ARS-Amber	129	118	124	120	86	115	60.0	60.2	60.6	57.7	58.2	59.3	10.7	10.4	11.4	12.1	9.8	10.9						
Tubbs 06	134	131	116	103	86	114	60.0	59.9	60.1	54.2	56.9	58.2	10.5	10.0	11.4	11.8	10.8	10.9						
WA 8153	126	118	111	124	91	114	60.8	61.4	61.0	58.7	59.5	60.3	11.3	10.1	12.3	11.6	9.5	11.0						
SY Ovation	134	115	115	115	89	114	61.2	61.5	60.5	58.5	58.2	60.0	10.6	9.8	11.0	11.3	9.0	10.3						
4J071246-1C	122	115	122	122	88	114	58.9	58.5	59.4	55.8	57.2	58.0	10.8	9.8	11.7	11.8	10.1	10.8						
Bruehl	125	123	130	106	85	114	57.9	57.1	59.1	53.2	56.8	56.8	11.0	9.4	11.8	12.0	9.5	10.8						
Skiles	119	107	113	134	93	113	60.9	60.7	60.2	57.8	59.1	59.8	11.5	11.6	12.4	11.8	11.1	11.7						
WA 8154	116	119	115	127	86	113	60.8	60.7	60.6	59.3	58.4	60.0	11.4	10.8	11.8	12.0	10.3	11.3						
Legion	127	119	113	124	79	113	59.0	59.8	60.0	57.3	56.8	58.6	10.8	9.8	11.8	11.3	9.7	10.7						
JC1108	124	114	125	120	80	112	59.5	58.6	60.1	57.4	57.2	58.5	10.7	9.0	11.4	11.0	10.3	10.5						
WA 8176	122	121	111	119	87	112	59.9	60.5	61.5	59.0	58.8	59.9	10.3	9.3	10.9	11.1	9.5	10.2						
ARS010780-3C	116	102	108	144	89	112	59.9	59.8	60.7	58.1	57.8	58.9	11.9	11.6	12.4	12.2	10.6	11.7						
LWW-04-4009	138	118	113	110	79	112	60.5	61.0	62.1	58.0	59.2	60.2	10.8	10.1	11.2	10.5	9.5	10.4						
ARS-Chrysal	116	105	119	118	96	111	60.3	59.6	61.5	58.8	57.6	59.6	11.5	9.5	11.9	11.8	9.8	10.9						
ARS990077-1C	119	109	116	114	95	111	60.1	60.0	61.3	58.1	58.3	59.6	10.9	10.5	11.7	11.0	9.6	10.8						
Ladd (OR2070870)	121	114	108	117	93	111	60.5	60.1	59.5	58.1	59.1	59.5	11.4	10.7	12.5	12.2	10.7	11.5						
Bruneau	131	105	123	114	78	110	61.2	61.1	60.1	58.2	59.3	60.0	11.0	10.1	11.2	10.8	8.9	10.4						
LWW10-1018	120	120	123	99	87	110	59.6	58.9	59.4	55.9	56.9	58.1	10.5	9.7	11.3	9.9	9.2	10.1						
AP 700 CL	114	111	106	135	83	110	60.1	60.9	59.8	58.3	58.0	59.4	11.0	11.0	12.0	11.4	9.7	11.0						
WA 8171	126	121	117	107	77	109	60.1	60.9	60.8	56.6	55.9	58.9	11.0	10.3	11.6	10.6	9.8	10.7						
Xerpha	127	120	124	89	88	109	61.1	60.9	60.1	55.8	59.0	59.4	11.4	10.4	12.1	12.2	8.9	11.0						
Coda	123	113	113	107	90	109	61.6	61.4	62.3	58.7	60.1	60.8	11.2	10.2	13.1	13.2	10.8	11.7						
Cara	129	96	108	122	91	109	59.6	58.4	60.4	57.5	56.9	58.6	10.9	10.7	12.1	12.3	10.4	11.3						
ORCF-103	116	119	114	107	89	109	60.5	59.8	60.5	54.9	59.9	59.1	10.5	9.7	11.6	11.5	10.0	10.7						
Kaseberg (OR2071628)	124	115	112	105	89	109	60.1	59.9	59.9	54.5	57.9	58.5	10.1	10.2	10.9	11.2	9.0	10.3						
WA 8172	118	116	115	121	73	109	59.4	60.9	60.6	58.2	56.2	59.1	11.3	10.3	11.8	12.0	10.1	11.1						
Masami	116	105	118	119	84	108	59.2	59.4	60.1	58.0	59.0	59.1	11.3	9.6	11.0	11.0	9.2	10.4						
LCS-Artdeco (NSA06-2153A)	133	124	78	121	84	108	59.5	59.1	58.7	54.4	58.4	58.0	10.2	9.5	11.6	11.3	9.9	10.5						
99-06202A	110	108	120	112	89	108	60.9	60.7	60.2	56.5	59.9	59.6	10.9	10.1	11.2	10.6	9.1	10.4						
02-10606A	120	120	110	110	77	107	61.1	60.9	61.2	57.5	58.7	59.9	11.0	10.2	11.5	11.2	9.4	10.7						
WA 8174	112	111	121	109	81	107	60.1	60.1	60.6	57.4	57.3	59.1	10.7	10.3	11.1	11.1	10.4	10.7						
Madsen	112	110	111	112	87	106	60.4	60.3	60.5	58.1	58.7	59.6	11.6	11.0	12.2	12.7	11.1	11.7						
Trifecta	124	108	98	115	87	106	61.2	61.4	61.5	58.7	60.2	60.6	11.4	10.0	12.7	11.9	9.9	11.2						
ARS010746-2C	115	98	108	130	81	106	59.1	59.9	61.0	58.5	57.6	59.2	11.8	10.6	12.3	11.6	9.4	11.1						
Eltan	117	119	125	88	82	106	60.4	60.7	61.0	56.5	60.2	59.7	11.0	10.4	11.4	11.4	10.7	11.0						
WA 8175	128	109	124	89	80	106	60.5	60.3	61.1	55.9	57.4	59.0	10.8	10.1	11.7	11.8	10.7	11.0						
Stephens	120	105	108	116	81	106	59.1	60.9	60.7	57.5	57.0	59.1	11.3	9.9	11.4	11.3	8.8	10.5						
ARS98X402-1C	121	75	112	126	96	106	60.4	59.8	61.3	58.0	58.0	59.5	10.8	10.8	11.0	10.9	8.7	10.5						
AP Legacy	125	117	117	72	91	104	60.9	60.9	60.9	52.1	58.1	58.6	10.5	9.4	11.3	11.1	9.3	10.3						
WA 8142	108	92	96	134	92	104	61.1	61.5	60.8	59.4	59.6	60.5	11.3	11.2	12.8	12.1	10.9	11.7						
WB 456	117	102	91	118	92	104	61.0	61.3	61.1	59.2	60.8	60.6	11.9	12.0	13.5	13.4	10.1	12.2						
WB-528	133	111	104	94	76	103	61.5	61.6	62.0	57.9	58.1	60.2	11.1	10.2	12.5	12.4	10.5	11.3						
WB 523	117	98	109	104	85	103	60.8	61.2	61.2	57.8	59.9	60.2	11.0	11.3	11.9	11.9	10.4	11.3						
WB-Junction	122	114	101	95	79	102	60.7	60.7	61.6	54.6	58.3	59.2	10.8	9.9	12.2	12.6	10.1	11.1						
WA 8155	120	110	118	81	78	101	60.5	60.3	61.3	55.7	60.9	59.7	11.7	9.8	11.7	12.6	9.9	11.1						
WB-1070CL	129	112	72	100	71	97	62.2	62.6	62.1	58.9	61.3	61.4	11.0	11.6	13.9	12.7	10.7	12.0						
<b>C.V. %</b>	5	6	7	12	8	8	0.7	0.6	0.7	1.9	1.5	1.2	3.6	4.7	2.9	8.5	10.7	6.6						
<b>LSD (0.10)</b>	7	7	9	14	7	4	0.4	0.4	0.5	1.1	0.9	0.3	0.4	0.5	0.4	1.0	1.1	0.3						
<b>Average</b>	124	113	114	117	87	111	60.2	60.2	60.6	57.3	58.4	59.4	11.0	10.2	11.7	11.5	9.9	10.9						
<b>Highest</b>	138	131	130	153	105	125	62.2	62.6	62.3	60.7	61.3	61.4	11.9	12.0	13.9	13.4	11.1	12.2						
<b>Lowest</b>	108	75	72	72	71	97	57.9	57.1	57.7	52.1	55.7	56.8	9.5	9.0	10.4	9.9	8.7	10.1						

## 2013 WSU Soft White Winter Wheat Trial Summary Precipitation Zone 16-20” – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 59 entries in the 16-20” precipitation zone averaged 111 bushels/acre, equivalent to the 2012 average of 110 bushels/acre but lower than the 2010 average of 139 bushels/acre. The CV for the average data was 8 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 125 bushels/acre and reflected a mostly average growing season. ‘Bobtail’, ‘ARS-Selbu’, ‘ARS-Crescent’, ‘Puma’ and ‘Mary’ 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 59.4 lbs./bu across locations and entries and was lower than last year’s 60.6 lbs./bu average. Grain protein averaged 10.9% and was higher than last year’s 10.2% average.