2012 WSU Variety Testing Soft White Winter Wheat Trial Summary

Precipitation Zone >20"

Variety Name *(Club Italicized)*	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
Tubbs 06	135	53	128	127	121	**113**	59.6	57.8	60.5	54.2	59.7	58.4	8.3	11.4	9.8	13.6	8.8	10.4
OR08047P94	132	67	114	135	112	**112**	59.1	57.9	59.5	53.7	58.1	57.7	8.9	10.0	10.6	12.2	9.4	10.2
Eltan/Tubbs 06	129	55	120	138	114	**111**	58.5	59.6	60.5	56.2	58.5	58.7	8.1	10.0	10.0	12.2	9.0	9.9
WA 8134	133	54	117	135	116	**111**	60.3	58.6	61.2	56.3	60.3	59.4	8.5	11.1	10.6	12.9	9.1	10.5
Xerpha	129	63	114	136	112	**111**	60.6	61.0	61.0	56.0	60.1	59.7	9.5	10.7	10.9	11.7	9.4	10.4
ARS-Chrystal (ARS970075-3C)	128	58	112	145	106	**110**	60.2	59.1	61.0	58.4	60.8	59.9	8.6	10.6	10.6	11.9	9.6	10.3
WA 8153	121	61	112	143	111	**110**	60.7	59.7	61.0	58.0	61.2	60.1	8.8	11.0	10.3	13.0	9.6	10.6
OR2071628	127	55	115	139	111	**109**	59.2	58.5	59.7	55.3	59.3	58.4	7.5	10.4	10.3	10.6	9.1	9.6
WA 8154	124	58	118	129	116	**109**	61.3	60.1	62.0	59.2	61.5	60.8	8.8	11.0	10.7	11.3	9.4	10.2
ARS990077-1C	132	62	115	124	110	**109**	59.3	59.6	60.0	57.1	59.4	59.1	8.0	10.2	10.7	12.5	9.7	10.2
Rod	133	54	118	120	116	108	59.3	58.6	60.3	53.7	59.3	58.3	9.6	10.7	9.9	12.1	9.4	10.3
ARS-Crescent (ARS970163-4C)	137	72	115	106	112	108	60.2	58.7	60.7	54.5	59.4	58.7	9.1	9.1	9.9	11.8	8.6	9.7
LWW-04-4009	122	49	116	132	120	108	60.2	58.8	61.5	58.1	61.1	60.0	7.9	11.4	10.1	12.9	9.0	10.3
ORCF-102	121	58	114	134	112	108	60.0	59.3	61.1	56.7	60.4	59.5	8.6	10.9	10.4	13.2	9.4	10.5
WA 8152	120	64	114	134	107	108	61.0	60.4	61.3	57.2	59.7	59.9	8.8	10.4	11.4	13.8	10.1	10.9
Madsen/Rod	127	56	111	127	113	107	59.9	58.5	60.6	55.4	59.8	58.9	8.5	11.3	10.3	12.5	9.2	10.4
LCS-Artdeco (NSA06-2153A)	129	51	112	137	105	107	59.8	57.7	60.2	55.4	60.8	58.8	8.7	11.3	11.0	11.3	9.7	10.4
Otto (WA 8092)	118	56	108	135	116	107	60.0	59.5	60.0	56.1	53.8	57.9	8.4	10.4	10.6	12.8	10.1	10.5
WA 8151	124	51	116	125	117	107	59.6	58.7	61.2	54.5	60.2	58.8	7.2	11.3	10.6	12.5	9.1	10.1
ARS-Amber (ARS960277L)	133	57	110	119	115	107	60.5	59.5	61.0	56.3	60.3	59.5	8.2	10.6	10.2	13.5	9.2	10.3
ARS970277L reselect	125	55	107	128	117	107	60.4	59.5	61.0	55.0	60.3	59.2	9.0	11.0	10.4	12.5	9.2	10.4
OR2701071	115	55	119	132	112	107	57.8	56.7	58.1	53.4	57.5	56.7	8.4	11.3	10.2	11.6	9.1	10.1
Stephens	124	45	112	133	118	106	60.1	57.9	61.2	55.9	61.1	59.2	8.1	12.3	10.7	12.2	9.6	10.6
Madsen	123	60	113	123	112	106	60.1	58.7	60.9	57.0	60.4	59.4	8.9	10.7	10.9	11.9	9.6	10.4
Mary (OR2040726)	118	55	118	151	87	106	61.3	59.6	61.9	59.1	60.9	60.6	8.7	10.4	10.1	9.8	9.2	9.6
ORCF-103	129	69	122	94	114	106	59.6	58.0	60.2	53.0	58.8	57.9	9.0	10.1	10.2	12.8	9.2	10.3
ARS970161-3L	127	53	120	125	103	106	61.7	60.4	62.1	59.5	61.3	**61.0**	10.4	11.4	10.8	12.6	9.7	**11.0**
Masami	131	50	118	121	107	106	59.6	56.9	59.9	54.1	59.0	57.9	8.1	10.7	10.0	12.1	9.1	10.0
ARS970161-2L	126	48	118	126	110	106	62.0	59.6	62.0	59.0	61.4	60.8	9.4	12.2	10.9	12.4	9.7	10.9
Goetze/Skiles	114	51	109	144	106	105	60.7	59.4	60.6	56.0	60.7	59.5	8.9	11.9	11.2	12.3	10.4	10.9
Bruehl	122	64	112	120	105	105	56.8	56.5	58.0	52.8	57.2	56.3	9.5	10.4	10.4	12.3	9.2	10.4
WA 8135	118	61	111	126	106	104	60.6	61.2	61.7	58.0	61.3	60.6	7.9	10.7	11.4	13.2	10.0	10.7
Chukar	129	60	117	115	100	104	59.4	58.8	59.5	55.0	58.5	58.2	9.0	10.4	10.6	13.6	9.4	10.6
WB-528	109	46	101	150	114	104	61.0	59.8	61.9	58.9	62.0	60.7	9.0	12.0	11.6	12.5	10.0	**11.0**
WA 8142	113	58	111	135	102	104	61.1	60.5	62.2	57.7	61.5	60.6	8.6	12.1	11.3	12.2	10.2	10.9
OR2070870	118	64	105	132	98	103	60.1	59.5	60.5	56.2	60.5	59.4	9.3	11.8	10.9	12.1	10.2	10.9
Skiles	116	60	110	127	103	103	61.9	60.3	61.8	56.4	61.6	60.4	9.4	11.5	11.7	12.6	10.4	**11.1**
ARS010780-3C	126	52	110	122	106	103	60.5	59.2	60.3	57.8	60.0	59.6	9.6	11.7	11.0	13.5	9.8	**11.1**
ARS010762-2C	120	54	107	130	101	103	59.7	57.8	59.7	56.5	59.0	58.5	9.8	11.3	11.0	11.5	10.1	10.7
WA 8116	120	64	107	110	112	103	60.6	59.8	60.8	56.0	58.0	59.1	7.9	10.8	10.7	13.4	9.6	10.5
WA 8143	121	61	106	110	113	102	60.1	60.4	60.4	55.2	56.5	58.5	7.8	10.0	10.6	12.7	9.3	10.1
Eltan	114	66	110	109	110	102	60.5	59.9	60.5	55.8	56.5	58.6	8.1	10.2	10.0	12.2	9.3	10.0
IDO663	121	36	104	146	100	101	60.4	57.4	61.8	55.7	61.5	59.4	8.8	12.4	11.1	12.4	9.7	10.9
WA 8155	113	68	108	100	115	101	60.6	60.9	60.3	54.4	56.1	58.5	7.8	9.8	10.2	12.7	9.1	9.9
WA 8137	117	47	107	124	105	100	61.4	59.4	62.2	56.7	60.1	60.0	8.9	11.5	10.6	12.9	9.2	10.6
Coda	127	49	105	110	106	99	62.3	61.8	62.7	58.6	62.3	**61.5**	9.9	11.8	11.6	13.2	9.9	**11.3**
Cara	123	60	103	106	98	98	58.4	58.4	59.7	53.5	58.1	57.6	8.8	10.6	11.1	14.3	10.1	**11.0**
WA 8136	102	40	103	106	106	92	56.8	56.2	58.3	50.3	53.8	55.1	8.4	11.6	11.0	12.5	10.1	10.7
C.V. %	5	10	4	10	7	7	0.9	1.2	0.6	3.4	0.9	1.6	9.1	6.1	2.8	9.7	2.4	7.0
LSD (0.10)	7	6	5	13	8	4	0.5	0.8	0.4	2.0	0.6	0.5	0.8	0.7	0.3	1.3	0.2	0.3
Average	123	56	112	127	109	106	60.1	59.1	60.7	56.0	59.6	59.1	8.7	11.0	10.6	12.5	9.5	10.5
Highest	137	72	128	151	121	113	62.3	61.8	62.7	59.5	62.3	61.5	10.4	12.4	11.7	14.3	10.4	11.3
Lowest	102	36	101	94	87	92	56.8	56.2	58.0	50.3	53.8	55.1	7.2	9.1	9.8	9.8	8.6	9.6

2012 WSU Soft White Winter Wheat Trial Summary
Precipitation Zone >20" – *Preliminary Data*

1. Soft white winter wheat grain yield across five 2012 locations (four rain-fed and one irrigated) and 48 entries in the >20" precipitation zone averaged 106 bushels/acre, 33 bushels/acre lower than the 2011 average of 139 bushels/acre and 27 bushels/acre lower than the 2010 average of 133 bushels/acre. The CV value of 7 for the 2012 average data was similar to the 2011 CV value. In general the 2012 trials had good fall establishment.
2. Yields among entries averaged across locations ranged narrowly from 92 to 113 bushels/acre. 'Tubbs 06' was the highest yielding named variety. There are 10 entries indicated in bold within the top LSD (0.10) range of 4 bushels/acre. Stripe rust levels were mostly low to moderate and rust was effectively controlled with fungicide applications except for Farmington, a planned non-treated site, but there was little or no stripe rust impact at Farmington.
3. Test weight averaged 59.1 lbs./bu across all trials and was much lower than last year's 61.7 lbs./bu average. Grain protein averaged 10.5% a little higher than protein level as 2011.