

# 2012 WSU Variety Testing Soft White Winter Wheat Trial Summary

## Precipitation Zone 16-20"

Variety Name (Club Italicized)	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
LCS-Artdeco (NSA06-2153A)	155	89	73	145	146	122	61.7	61.3	59.4	59.7	61.2	60.7	9.5	9.5	11.6	9.6	9.7	10.0						
ARS-Crescent (ARS970163-4C)	141	103	82	131	142	120	61.5	60.7	59.8	59.9	60.9	60.6	9.2	8.9	10.1	9.0	9.1	9.3						
OR2701071	134	99	78	137	146	119	59.3	58.0	59.1	57.3	58.8	58.5	9.7	9.0	10.7	9.1	9.6	9.6						
Chukar	143	97	80	136	136	119	60.9	58.7	59.2	59.0	59.8	59.5	9.6	8.7	11	9.3	9.3	9.6						
WA 8134	141	98	82	131	137	118	62.0	61.1	60.9	60.3	61.1	61.1	10.1	9.7	11.9	10.7	9.6	10.4						
OR08047P94	146	88	80	135	139	118	60.2	58.7	57.9	57.7	59.9	58.9	9.6	9.5	10.4	10.0	9.7	9.8						
ARS-Amber (ARS960277L)	143	105	72	134	133	117	61.5	60.5	61.7	60.2	61.3	61.1	9.3	9.7	11.8	9.4	9.4	9.9						
ARS970161-3L	146	89	79	134	137	117	63.7	62.0	62.4	62.1	62.2	62.5	9.9	9.8	11.7	10.2	9.6	10.2						
ARS970277L reselect	136	102	77	131	131	116	61.5	60.8	61.3	59.4	60.8	60.8	9.4	9.8	12.1	9.4	9.2	10.0						
ARS970161-2L	130	90	82	128	145	115	63.4	61.7	62.2	61.9	62.7	62.4	10.0	10.1	11.7	10.2	10.3	10.5						
LWW-04-4009	134	107	80	127	126	115	62.5	62.1	62.1	60.6	62.1	61.9	9.9	9.5	12.4	10.1	9.9	10.4						
ARS-Chrysal (ARS970075-3C)	148	90	75	124	134	114	62.6	60.4	60.1	60.4	61.9	61.1	9.7	9.9	11.1	9.2	9.5	9.9						
WA 8153	139	96	67	135	133	114	62.2	62.0	61.5	60.5	61.3	61.5	9.9	10.8	13.4	10.6	10.1	11.0						
IDO663	147	97	67	134	124	114	62.3	61.8	60.6	59.8	61.9	61.3	9.7	9.2	12.2	10.6	10.3	10.4						
ARS990077-1C	139	100	73	127	130	114	61.3	60.2	60.8	59.3	60.4	60.4	10.0	9.5	11.6	9.4	9.4	10.0						
Cara	140	97	74	126	130	113	61.0	59.2	59.4	59.1	59.7	59.7	9.8	9.5	12	9.8	9.5	10.1						
WA 8151	133	94	75	126	138	113	61.8	60.4	60.8	59.1	61.0	60.6	9.8	9.8	11.9	10.2	9.5	10.3						
Bruehl	138	104	81	126	115	113	58.4	58.1	59.2	56.7	58.5	58.2	9.5	8.9	10.6	10.2	10.0	9.8						
Tubbs 06	131	106	85	109	132	113	60.6	60.0	60.5	57.9	60.4	59.9	9.4	9.0	11.3	9.3	9.2	9.6						
Stephens	145	97	69	131	120	112	61.8	61.6	61.6	59.7	61.3	61.2	10.1	9.6	11.9	10.4	9.7	10.3						
Madsen	137	94	73	128	126	111	61.9	61.3	60.4	60.3	61.4	61.1	11.1	9.8	11.9	11.1	10.3	10.8						
WA 8152	148	92	68	124	122	111	62.0	60.5	60.6	60.2	62.0	61.1	10.3	10.0	12.6	9.4	10.3	10.5						
Madsen/Rod	135	96	77	116	129	111	61.2	60.8	60.8	58.6	60.6	60.4	10.3	9.8	11.6	11.3	9.6	10.5						
OR2071628	131	94	73	126	128	111	61.0	59.9	60.1	58.8	60.4	60.0	9.2	9.4	11.3	10.4	9.5	10.0						
Eltan/Tubbs 06	141	99	81	108	121	110	60.9	60.2	60.8	57.7	61.0	60.1	9.4	9.0	11.5	10.0	9.3	9.8						
Xerpha	133	101	87	96	132	110	61.4	61.5	60.9	56.4	60.7	60.2	9.6	9.7	11.4	12.1	9.3	10.4						
WA 8137	140	94	75	108	133	110	62.7	61.8	62	60.0	62.0	61.7	9.7	9.3	11.5	9.6	9.8	10.0						
Skiles	138	98	67	129	114	109	62.8	61.9	60.7	61.3	62.4	61.8	10.0	10.5	13.1	9.9	10.5	10.8						
OR2070870	137	91	70	116	131	109	61.8	60.8	60.1	59.5	60.6	60.6	10.6	9.2	13.1	10.6	10.2	10.7						
WA 8154	136	94	75	125	114	109	62.0	61.8	61.9	61.1	61.7	61.7	10.2	9.6	12	9.8	10.2	10.4						
WB-528	141	99	63	120	120	109	62.7	62.6	62.4	61.5	62.5	62.4	9.5	9.8	13.2	10.3	10.0	10.6						
Masami	133	92	75	115	125	108	60.7	59.4	59.6	58.1	60.6	59.7	9.7	9.0	10.6	9.1	9.4	9.6						
WA 8116	136	99	74	107	123	108	62.5	61.1	61.3	59.9	61.9	61.3	9.4	9.7	11.6	9.5	10.2	10.1						
Otto (WA 8092)	138	93	78	117	113	108	61.2	60.4	60.7	59.3	60.2	60.4	10.4	9.1	11.6	10.8	10.2	10.4						
Rod	132	96	79	108	123	108	60.4	60.5	60.2	57.3	59.3	59.6	9.3	9.2	10.9	9.1	9.2	9.5						
ORCF-102	133	97	75	105	124	107	61.9	61.4	61.3	59.5	62.0	61.2	9.6	9.0	12	10.5	9.8	10.2						
ORCF-103	127	101	75	110	119	107	61.0	59.7	60.6	58.0	60.9	60.0	9.7	9.3	11	9.1	9.8	9.8						
Coda	133	91	73	114	121	106	63.5	62.7	62.7	61.9	62.0	62.6	10.4	10.4	12.5	9.7	9.8	10.6						
ARS010780-3C	129	73	75	128	127	106	62.5	60.6	60.6	60.9	61.3	61.2	10.7	10.9	11.9	10.9	10.2	10.9						
Mary (OR2040726)	142	85	72	108	122	106	62.4	61.6	61.4	58.6	61.5	61.1	9.8	10.4	11.6	10.6	9.5	10.4						
Goetze/Skiles	131	98	70	101	123	105	61.5	61.1	60.6	57.4	61.6	60.4	9.9	9.7	13.2	11.0	10.4	10.8						
ARS010762-2C	135	78	65	115	124	103	61.4	58.7	57.9	59.2	60.0	59.5	10.3	9.9	12.1	10.1	10.1	10.5						
WA 8136	125	87	75	109	115	102	59.5	58.5	58.5	56.6	59.1	58.4	9.7	9.9	11.6	8.9	9.9	10.0						
WA 8142	130	81	61	121	116	102	62.5	62.8	61.3	61.4	62.1	62.0	11.1	10.6	13.5	10.4	10.9	11.3						
WA 8135	130	73	67	115	113	100	63.0	62.2	61.2	61.3	62.5	62.0	10.8	10.6	11.8	11.1	10.5	11.0						
WA 8143	102	100	84	101	95	96	60.4	61.0	61.2	59.1	59.9	60.3	9.5	9.4	11.2	9.8	10.3	10.0						
WA 8155	102	97	82	104	84	94	60.9	61.2	61.6	59.6	59.3	60.5	9.5	9.4	10.9	9.2	10.3	9.9						
Eltan	107	101	71	96	85	92	60.3	60.7	61.5	57.5	60.0	60.0	9.8	8.8	11.5	9.6	10.7	10.1						
C.V. %	6	6	6.2	8	6	7	0.5	0.5	0.6	1.6	0.7	0.9	4.2	5.3	3.9	12.7	4.2	6.8						
LSD (0.10)	9	6	4.9	10	8	3	0.3	0.3	0.4	1.0	0.4	0.2	0.4	0.5	0.5	1.3	0.4	0.3						
Average	135	95	74.8	120	125	110	61.6	60.8	60.7	59.4	61.0	60.7	9.9	9.6	11.7	10.0	9.9	10.2						
Highest	156	107	87.1	145	146	122	63.7	62.8	62.7	62.1	62.7	62.6	11.1	10.9	13.5	12.1	10.9	11.3						
Lowest	102	73	61.2	96	84	92	58.4	58.0	57.9	56.4	58.5	58.2	9.2	8.7	10.1	8.9	9.1	9.3						

## 2012 WSU Soft White Winter Wheat Trial Summary Precipitation Zone 16"-20" – Preliminary Data

1. Soft white winter wheat grain yield across five 2012 locations and 48 entries in the 16"-20" precipitation zone averaged 110 bushels/acre, 29 bushels/acre lower than the 2011 average of 139 bushels/acre and 9 bushels/acre lower than the 2010 average of 119 bushels/acre. The CV value of 7 for the 2012 average data was lower than the 2011 CV value. In general the 2012 trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 92 to 122 bushels/acre and reflected a mostly average growing season. 'LCS-Artdeco' was the highest yielding named variety followed by the club 'ARS Crescent'. There are four entries indicated in bold within the top LSD (0.10) range of 3 bushels/acre. Stripe rust levels were mostly moderate and rust was effectively controlled with fungicide applications except for St John, a planned non-treated site, and there was a significant level of stripe rust impact at St John on susceptible entries.
3. Test weight averaged 60.7 lbs./bu across all trials and was close to last year's 60.6 lbs./bu average. Grain protein averaged 10.2% the same protein level as 2011.