

2011 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	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average
	Yield (Bu/A)						Test Weight (Lbs/A)						Protein (%)					
ARS970161-3L	166	143	160	182	149	160	62.4	62.0	62.9	62.3	62.2	62.3	11.8	10.6	11.5	9.7	9.1	10.5
<i>Cara</i>	167	141	158	178	144	157	60.4	59.6	60.6	60.9	59.9	60.3	11.3	10.1	12.0	9.3	9.1	10.4
WA 8134	148	143	174	167	143	155	60.6	60.6	61.3	60.7	60.6	60.8	11.4	10.2	11.4	9.1	9.7	10.4
<i>Cara +25%</i>	159	140	162	183	134	155	60.3	59.9	60.9	61.1	59.8	60.4	11.2	9.7	11.8	9.4	9.2	10.3
Skiles	172	148	139	165	143	153	62.1	62.5	61.7	62.2	61.9	62.1	11.6	10.4	11.9	9.7	9.3	10.6
OR2070385	166	140	146	164	149	153	59.4	61.3	60.7	61.3	59.8	60.5	12.3	10.5	11.2	9.5	8.8	10.5
SY Ovation	185	141	170	143	124	153	63.0	61.4	61.7	61.3	60.2	61.5	10.9	9.8	10.8	9.3	9.5	10.0
ARS97230-6C	166	140	142	167	149	153	60.9	61.2	61.8	61.1	61.1	61.2	11.2	9.6	11.0	8.5	8.1	9.7
WA 8116	150	153	154	171	125	151	61.3	61.3	61.6	58.0	60.9	60.6	11.5	10.0	10.8	9.5	8.7	10.1
03PN107#3	158	134	154	170	135	150	60.9	61.4	61.8	61.5	61.1	61.3	10.8	9.9	10.1	9.0	8.8	9.7
ARS960277L (ARS-Amber)	147	149	158	171	124	150	60.3	60.8	61.6	60.5	59.8	60.6	10.9	9.8	10.7	8.3	8.0	9.5
ARS970075-3C	142	145	151	168	140	149	61.2	61.1	62.6	61.9	61.7	61.7	11.8	9.9	11.1	8.8	9.2	10.2
<i>Chukar</i>	158	131	160	170	125	149	60.1	60.0	61.2	60.8	59.4	60.3	11.1	10.1	11.5	9.6	8.9	10.2
<i>Chukar +25%</i>	155	132	157	167	136	149	59.9	59.7	61.6	60.3	59.6	60.2	11.3	9.9	11.0	8.7	7.8	9.7
Madsen	160	137	142	158	143	148	61.4	61.5	61.4	61.3	60.9	61.3	11.9	11.0	11.4	9.9	9.2	10.7
Bruneau	159	153	139	155	134	148	61.4	61.9	61.6	61.3	60.4	61.3	10.6	10.3	10.9	8.6	8.2	9.7
OR2071628	153	136	144	160	139	147	59.2	59.9	60.0	59.6	58.8	59.5	11.7	9.7	10.7	9.1	8.4	9.9
Brundage 96	158	126	152	151	140	146	61.2	60.7	61.1	60.6	60.1	60.7	11.4	9.8	11.1	9.5	9.3	10.2
OR2040726 (Mary)	158	134	143	147	147	146	61.5	61.5	61.5	61.5	60.9	61.4	11.7	10.1	11.4	9.1	8.1	10.1
NSA06-2153A	181	139	129	154	128	146	60.9	60.5	59.1	60.2	61.3	60.4	11.2	10.1	10.7	9.2	9.6	10.1
WA 8136	139	141	141	173	133	145	57.4	59.3	59.3	56.6	58.6	58.2	11.9	9.9	10.6	9.6	9.0	10.2
ARS98X402-1C	146	133	157	158	134	145	60.8	60.8	62.1	60.7	60.6	61.0	11.3	9.2	11.2	8.9	8.4	9.8
WA 8092	153	151	135	156	109	141	60.5	58.6	61.0	54.7	60.2	59.0	11.8	10.2	10.9	10.0	10.0	10.6
WA 8142	159	123	138	152	135	141	62.2	62.3	62.0	61.5	61.7	61.9	11.6	10.6	11.4	9.6	9.3	10.5
Legion	151	145	132	162	116	141	58.1	59.9	59.8	58.7	57.7	58.8	12.0	10.8	10.6	8.9	10.3	10.5
ARS970163-4C	151	129	146	159	121	141	61.1	60.5	62.1	61.7	60.0	61.1	10.7	9.7	10.2	8.7	8.6	9.6
Goetze/Skiles	169	134	140	145	114	140	61.9	61.3	61.1	61.3	60.7	61.3	11.4	11.1	11.8	10.2	9.8	10.9
Madsen/Rod	154	133	143	148	122	140	60.3	60.5	60.9	60.5	59.1	60.3	11.6	10.6	11.4	9.9	10.7	10.8
AP 700 CL	156	130	113	158	141	140	60.5	61.5	59.9	60.6	60.4	60.6	11.5	10.6	11.1	9.5	8.8	10.3
WA 8135	146	124	140	158	129	139	62.6	62.7	62.4	61.3	61.8	62.2	11.8	10.8	11.8	10.1	10.1	10.9
Bitterroot	154	142	143	144	112	139	62.3	61.9	62.3	61.3	60.2	61.6	11.4	10.1	11.9	9.3	8.5	10.2
96-16702A	144	126	162	153	112	139	61.4	62.7	62.6	62.0	60.3	61.8	11.1	9.9	10.2	9.3	10.1	10.1
ORCF-102	151	138	133	141	132	139	61.6	61.5	60.6	60.2	61.1	61.0	11.4	10.0	10.8	9.1	9.2	10.1
Finch	136	134	143	153	130	139	61.1	62.1	62.6	60.7	61.7	61.6	11.6	10.2	10.8	8.9	8.6	10.0
WB-528	164	136	127	144	117	137	62.5	62.9	62.2	61.8	60.7	62.0	11.3	10.7	12.2	9.0	8.3	10.3
<i>Bruehl</i>	156	147	152	125	107	137	57.6	59.2	58.9	56.9	56.7	57.9	11.2	10.3	11.7	9.2	8.7	10.2
BZ6W02-616	157	142	132	149	106	137	61.3	62.8	62.3	61.8	60.5	61.7	11.5	10.1	11.1	9.0	7.9	9.9
AP Badger	164	135	115	123	143	136	60.4	59.5	58.9	59.5	58.4	59.3	11.2	10.1	11.6	9.8	8.3	10.2
Rod/WB-528	151	138	142	146	104	136	61.6	61.6	61.4	61.3	58.9	60.9	11.0	10.3	11.1	9.0	9.3	10.1
UICF-Brundage	156	120	146	129	126	136	61.1	60.8	60.9	60.2	60.0	60.6	11.4	9.8	11.2	9.5	8.3	10.0
<i>Coda</i>	130	135	148	143	116	135	61.2	62.9	63.7	62.9	62.4	62.6	13.3	10.3	12.1	9.5	9.6	11.0
WA 8145	148	131	122	143	133	135	59.8	60.8	60.2	60.2	60.0	60.2	11.8	10.4	11.7	10.0	8.7	10.5
IDO663	152	137	100	144	136	134	61.2	62.1	59.7	61.2	60.6	61.0	11.4	10.3	10.8	9.4	8.4	10.1
Eltan/Tubbs 06	157	133	125	133	118	133	60.5	59.8	60.4	58.9	59.1	59.8	11.1	10.1	10.8	8.6	8.6	9.8
Rod	139	135	140	145	103	133	59.2	59.7	60.8	59.9	57.8	59.5	11.2	9.4	10.0	8.4	9.7	9.7
Rod/Tubbs 06	147	130	140	125	114	131	60.2	59.8	60.3	60.3	58.7	59.9	11.3	9.7	10.9	9.1	9.2	10.0
Masami	129	123	132	129	141	131	59.5	59.4	60.4	58.3	58.9	59.3	10.9	10.1	9.9	9.2	8.9	9.8
WA 8144	142	139	105	148	113	129	61.7	61.5	62.0	56.9	60.9	60.6	12.2	10.2	11.8	8.8	9.1	10.4
Stephens	152	125	99	133	130	128	60.0	61.4	59.7	60.3	60.1	60.3	12.3	10.6	11.3	9.8	8.9	10.6
Xerpha	150	142	131	120	98	128	61.4	61.7	61.8	61.6	59.9	61.3	11.1	10.3	11.6	9.7	9.1	10.4
WA 8143	137	145	145	137	78	128	60.2	60.8	61.2	57.3	58.5	59.6	11.8	10.5	10.8	9.9	9.1	10.4
WA 8114	138	129	141	128	104	128	60.2	62.2	60.5	60.3	59.1	60.5	11.5	10.1	10.6	9.5	9.4	10.2
ORCF-103	139	134	125	126	115	128	60.3	60.7	60.9	59.1	59.6	60.1	11.4	10.2	11.0	9.8	8.3	10.1
WA 8094	128	130	127	134	108	126	61.2	60.9	62.0	57.7	60.6	60.5	11.6	10.8	11.3	8.8	9.0	10.3
Tubbs 06	152	127	110	120	121	126	60.1	59.9	59.6	59.7	59.5	59.8	10.9	9.4	10.3	9.0	8.5	9.6
Lambert	143	119	121	121	118	124	60.8	59.7	60.5	60.8	59.5	60.3	11.5	10.7	10.6	9.7	8.9	10.3
ID00-475-2DH	136	133	127	122	95	123	61.7	62.0	62.1	61.8	59.0	61.3	11.3	10.2	10.3	9.4	9.6	10.2
Eltan	133	140	117	144	70	121	60.4	61.0	61.0	56.3	57.7	59.3	11.8	10.2	10.4	9.7	10.2	10.5
Sunrise	133	124	140	128	82	121	59.7	60.8	60.6	59.4	57.9	59.7	11.7	10.0	10.0	9.3	8.6	9.9
AP Legacy	118	109	126	91	108	110	59.6	57.6	60.3	58.3	58.1	58.8	10.7	9.3	10.4	9.1	8.9	9.7
CV (%)	6	4	9	8	13	8	0.8	0.8	0.9	1.0	1.0	0.9	3.8	4.3	6.9	6.4	9.4	6.2
LSD (0.10)	17	11	25	22	31	10	1.0	1.0	1.1	1.1	1.1	0.5	0.8	0.8	1.5	1.2	1.6	0.5
Average	151	135	139	148	123	139	60.7	60.9	61.1	60.2	60.0	60.6	11.5	10.2	11.1	9.3	9.0	10.2
Highest	185	153	174	183	149	160	63.0	62.9	63.7	62.9	62.4	62.6	13.3	11.1	12.2	10.2	10.7	11.0
Lowest	118	109	99	91	70	110	57.4	57.6	58.9	54.7	56.7	57.9	10.6	9.2	9.9	8.3	7.8	9.5

2011 WSU Soft White Winter Wheat Trial Summary

Precipitation Zone 16-20” – Preliminary Data

1. Soft white winter wheat grain yield across five locations and 60 entries in the 16-20” precipitation zone averaged 139 bushels/acre and is 20 bushels/acre higher than the 2010 average of 119 bushels/acre and 18 bushels/acre higher than the 2009 average of 121 bushels/acre. The CV for the average data was 8, lower than the 2010 CV. In general the trials had good fall establishment.
2. Yields among entries averaged across locations ranged from 110 to 160 bushels/acre and reflected the favorable precipitation and temperature through most of the growing season. Cara was the highest yielding named variety averaged across locations. Average yield values within the 10% LSD range (10 bushels) of the highest yield are shown in bold and this included 11 of the 60 entries. Stripe rust significantly reduced yields in most of these locations and influenced yield rankings based on susceptibility. Fungicide applications and yield impacts in percent for these locations were: no fungicide and 35% impact at St. John, one and 20% at Walla Walla, three and 15% at Dayton, one and 10% at Mayview, and 1 and low at Reardan.
3. Test weight averaged 60.6 lb/bu across locations and entries and was higher than last year’s 59.4 lb/bu average. Grain protein averaged 10.2% and was lower than last year’s 10.8% protein value.