

2013 WSU Variety Testing SW Winter Wheat Trial, St. John

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
OR2080641				149	58.2	11.3	41	153	43
<i>ARS97230-6C</i>				148	58.9	9.9	41	152	27
Bobtail (OR0807P94)			141	147	57.2	11.2	39	154	37
<i>ARS010780-3C</i>			136	144	58.1	12.2	45	157	47
OR2071071 (Rosalyn)			139	142	55.8	11.2	38	154	0
WA 8151			133	141	57.9	10.7	41	154	37
OR2080924				136	55.5	11.5	40	152	15
AP 700 CL				135	58.3	11.4	42	151	33
ARS-Selbu (ARS970161-3L)		150	134	135	60.7	11.6	44	154	28
Skiles	149	143	132	134	57.8	11.8	39	154	28
WA 8142		135	127	134	59.4	12.1	40	151	50
<i>ARS010746-2C</i>				130	58.5	11.6	38	155	7
03-29902A				128	59.1	10.0	39	153	20
WA 8154			126	127	59.3	12.0	38	154	28
<i>ARS-Crescent</i>		139	129	126	58.3	11.4	43	155	73
<i>ARS98X402-1C</i>				126	58.0	10.9	45	155	63
Puma (WA 8134)		141	128	125	57.6	11.5	43	152	60
Legion				124	57.3	11.3	38	152	68
WA 8153			129	124	58.7	11.6	43	153	58
<i>4J071246-1C</i>				122	55.8	11.8	44	156	93
<i>Cara</i>	155	142	124	122	57.5	12.3	41	155	55
LCS-Artdeco (NSA06-2153A)		140	133	121	54.4	11.3	34	148	45
WA 8172				121	58.2	12.0	43	151	63
WA 8173				120	57.6	12.2	43	155	65
ARS-Amber		142	127	120	57.7	12.1	42	154	55
JC1108				120	57.4	11.0	40	154	45
Masami	121	121	117	119	58.0	11.0	40	155	42
WA 8176				119	59.0	11.1	39	156	60
<i>ARS-Chrystal</i>		137	121	118	58.8	11.8	44	154	55
WB 456				118	59.2	13.4	36	151	30
Ladd (OR2070870)			116	116	58.1	12.2	39	153	17
Stephens	133	127	124	116	57.5	11.3	37	150	58
SY Ovation				115	58.5	11.3	38	152	50
Trifecta				115	58.7	11.9	38	150	58
<i>ARS990077-1C</i>			120	114	58.1	11.0	41	154	63
Bruneau				114	58.2	10.8	42	154	60
Madsen	139	133	120	112	58.1	12.7	40	155	50
ARS010729-1L				112	60.0	11.1	39	153	60
99-06202A				112	56.5	10.6	39	152	65
LWW-04-4009			119	110	58.0	10.5	40	156	72
02-10606A				110	57.5	11.2	40	155	60
WA 8174				109	57.4	11.1	42	154	53
Mary	134	121	108	109	56.4	12.0	39	150	48
WA 8171				107	56.6	10.6	41	151	90
ORCF-103	122	114	108	107	54.9	11.5	40	155	55
<i>Coda</i>	130	121	110	106	58.7	13.2	45	156	65
<i>Bruehl</i>	132	119	116	106	53.2	12.0	44	156	70

2013 WSU Variety Testing SW Winter Wheat Trial, St. John

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
Kaseberg (OR2071628)		130	116	105	54.5	11.2	37	152	88
WB 523				104	57.8	11.9	39	151	37
Tubbs 06	120	111	106	103	54.2	11.8	41	152	48
WB-1070CL				100	58.9	12.7	36	148	35
LWW10-1018				99	55.9	9.9	39	155	92
WB-Junction				95	54.6	12.6	38	149	97
WB-528	127	119	107	93	57.9	12.4	38	152	68
Xerpha	110	102	93	89	55.8	12.2	40	155	87
WA 8175				89	55.9	11.8	42	154	98
Eltan	116	109	92	88	56.5	11.4	42	156	77
WA 8155			93	81	55.7	12.6	43	156	90
AP Legacy				72	52.1	11.1	43	153	45
C.V. %	8	9	10	11	1.9	8.5	5	1	50
LSD (.10)	5	7	9	14	1.1	1.0	2	1	28
Average	132	130	120	117	57.4	11.6	40	153	54
Highest	155	158	141	149	60.7	13.4	45	157	98
Lowest	105	81	92	72	52.1	9.9	34	148	0

St. John Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 St. John soft white winter wheat trial averaged 117 bushels/acre, 15 bushels/acre less than the 5-year average for this location. The St. John nursery was located about 3 miles east of the town of St. John, WA (Mac Mills, Cooperator).

2. This nursery was seeded on 20 September, 2012 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 90#N/acre pre-plant applied. Fall seeding conditions produced good emergence and stand establishment.

3. Yields ranged from 72 to 149 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 9 of the 59 entries in this trial. The new OSU variety 'Bobtail' was the highest yielding named entry in the trial and 'Cara' is highest yielding in the 5-year average at this site. There was moderately severe Strawbreaker foot rot and lodging at this location. Foot rot contributed to higher CV's at this location, but a wide range in agronomic values produced high probabilities of differences among entries. It is also probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and no fungicide was applied.

4. Test weights averaged 57.4 lbs./bu and ranged from 52.1 to 60.7 lbs./bu. Grain protein averaged 11.6% with a range of 9.9 to 13.4%. Plant height averaged 40 inches and lodging averaged a high 54% and ranged from 0 to 98%.