

2014 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)	2014				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WA 8169				114	59.1	10.1	36	154
<i>ARS-Chrystal</i>	133	119	116	113	60.4	10.0	36	157
<i>ARS-Crescent</i>	134	123	119	112	59.4	10.1	34	157
<i>ARS010262-1C</i>				111	60.7	10.6	35	156
Xerpha	100	98	100	110	59.6	10.2	38	156
Puma (WA 8134)		122	117	109	60.2	11.0	38	155
IDN-04-00405B				108	59.8	10.1	34	152
SY 107				107	60.0	9.5	34	156
IDO1108			113	106	58.1	10.2	39	155
<i>Coda</i>	124	109	106	106	61.7	11.0	37	156
WA 8173			113	105	59.1	10.3	37	155
Bobtail (OR0807P94)		129	126	105	57.3	9.4	31	154
Kaseberg (OR2071628)		112	105	105	59.6	10.0	31	153
IDN-02-29001A				104	61.4	10.7	36	153
ARS-Selbu (ARS970161-3L)		124	119	103	61.7	10.6	34	156
Eltan	108	96	95	103	60.6	9.8	38	156
IDN-01-10704A				102	59.3	10.3	37	154
Mary	122	106	105	102	60.4	10.3	32	153
<i>Bruehl</i>	124	111	104	102	58.4	10.1	37	156
WA 8203				102	59.8	9.9	37	155
IDN-03-29902A				102	59.9	10.3	35	155
ARS-Amber	133	119	111	102	59.5	9.6	35	156
WB-Junction			98	101	61.9	10.1	34	151
Masami	112	112	110	101	57.6	9.8	37	157
ORCF-103	112	106	103	100	59.3	10.4	36	157
Tubbs 06	106	104	102	100	59.1	9.9	37	153
IDN-02-08806A				100	60.5	10.4	33	154
ARS010729-1L			106	100	61.8	10.5	31	156
<i>Cara</i>	141	116	111	100	58.4	10.0	32	156
WA 8176			109	99	61.7	11.2	38	157
Legion			111	99	59.4	10.0	35	154
Skiles	138	120	116	98	60.3	11.4	32	155
WA 8204				98	61.0	10.9	38	155
OR2090473				96	58.0	10.3	32	154
ORCF-102				96	60.6	10.8	36	154
Otto				96	59.9	10.7	38	157
<i>ARS010780-3C</i>		122	119	95	60.1	11.2	35	156
Ladd (OR2070870)		109	106	95	59.1	10.7	32	156
AP700 CL			115	95	59.1	10.9	33	154
WA 8206				95	61.8	11.5	35	154
WA 8205				94	61.4	10.6	32	156
SY Ovation			105	94	60.3	10.3	33	155
WB-528	115	102	93	92	61.9	10.8	34	152
LWW12-7105				92	58.4	10.2	27	153
Stephens	122	113	104	92	60.2	10.2	31	152
Bruneau			102	91	60.4	10.6	34	154
WA 8188				91	60.7	11.2	35	153
WA 8177				91	60.3	11.4	33	156

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WB 456			105	91	62.2	11.8	32	152
LWW-04-4009		109	100	91	61.4	11.0	34	157
Trifecta			103	90	61.5	11.2	35	153
Madsen	127	110	100	89	59.8	11.2	35	156
OR2080641			119	88	59.7	11.1	32	155
WA 8187				87	60.9	11.2	32	155
LCS-Artdeco (NSA06-2153A)		118	104	86	59.0	9.6	29	153
OR2071071 (Rosalyn)		122	114	86	57.3	10.7	33	157
WB 523			95	85	61.1	11.3	33	155
WA 8212				85	60.2	11.9	32	158
LCS-Biancor				84	58.5	10.2	28	154
WB-1070CL			91	81	62.7	11.6	31	151
C.V. %	9	9	10	5	0.6	3.8	4	1
LSD (.10)	5	6	7	5	0.4	0.4	1	1
Average	123	112	107	98	60.1	10.6	34	155
Highest	141	129	126	114	62.7	11.9	39	158
Lowest	100	96	91	81	57.3	9.4	27	151

St. John Soft White Winter Wheat – Preliminary Data

1. Grain yield in the 2014 St. John soft white winter wheat trial averaged 98 bushels/acre, less than the five-year average of 123 bushels/acre. The St. John nursery was located about three miles east of St. John, WA (Mac Mills, Cooperator).

2. This nursery was seeded on 26 September, 2013 following fallow. Seed was placed at an 85#/acre seeding rate using a plot drill equipped with double-disc openers on 6-inch spacing. Base fertilizer was 90#N/acre pre-plant. Fall seeding and emergence were adequate. The entries survived cold December temperatures in this trial better than at many locations with only minor reduced stands evident in the spring.

3. Yields reported ranged from 81 to 114 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included six of the 60 entries in this trial. The club variety 'ARS-Chrysal', was the highest yielding named entry in the trial. The club 'Cara' had the highest yield over five years at this location. No stripe rust was observed or fungicide was applied.

4. Test weights averaged 60.1 lbs./bu and ranged from 57.3 to 62.7 lbs./bu. Grain protein at 10.6% averaged lower than in 2013 with a range of 9.4 to 11.9%. Plant height averaged 34 inches with no lodging.