

2013 WSU Variety Testing SW Winter Wheat Trial, Walla Walla

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				105	59.0	10.0	40	140	0
ARS-Selbu (ARS970161-3L)		129	119	102	59.9	10.5	39	142	0
Bobtail (OR0807P94)			120	101	57.0	9.5	36	140	0
ARS-Crescent		121	121	100	59.0	10.1	41	143	0
ARS98X402-1C				96	58.0	8.7	38	143	12
ARS-Chrystal		123	115	96	57.6	9.8	40	142	0
ARS010729-1L				96	60.3	9.4	36	141	0
WA 8173				96	57.3	10.3	39	142	13
ARS990077-1C			112	95	58.3	9.6	37	143	0
Puma (WA 8134)		125	116	95	60.1	9.6	40	142	0
Skiles	124	117	104	93	59.1	11.1	37	142	0
Ladd (OR2070870)			112	93	59.1	10.7	37	141	0
Mary	124	121	107	92	58.6	9.6	34	138	0
WB 456				92	60.8	10.1	35	137	0
WA 8142		114	104	92	59.6	10.9	38	140	0
WA 8151			115	92	58.6	8.8	38	141	0
ARS97230-6C				92	58.5	10.0	36	143	0
WA 8153			112	91	59.5	9.5	39	141	0
Cara	124	122	110	91	56.9	10.4	38	142	0
AP Legacy				91	58.1	9.3	40	140	0
OR2080924				91	56.7	9.8	37	141	0
Coda	113	109	105	90	60.1	10.8	41	145	18
SY Ovation				89	58.2	9.0	36	139	0
99-06202A				89	59.9	9.1	38	141	0
ARS010780-3C			108	89	57.8	10.6	38	143	0
ORCF-103	109	108	104	89	59.9	10.0	37	144	0
Kaseberg (OR2071628)		119	108	89	57.9	9.0	36	138	0
OR2071071 (Rosalyn)			117	89	56.1	9.1	34	141	0
Xerpha	111	106	110	88	59.0	8.9	38	145	0
4J071246-1C				88	57.2	10.1	39	143	8
Trifecta				87	60.2	9.9	36	138	0
WA 8176				87	58.8	9.5	36	142	8
LWW10-1018				87	56.9	9.2	38	142	8
03-29902A				87	58.9	9.8	37	142	10
Madsen	117	118	106	87	58.7	11.1	37	142	0
Tubbs 06	116	113	109	86	56.9	10.8	39	141	5
ARS-Amber		114	110	86	58.2	9.8	38	142	20
WA 8154			100	86	58.4	10.3	33	142	0
WB 523				85	59.9	10.4	36	140	12
Bruehl	106	102	100	85	56.8	9.5	40	144	0
Masami	120	117	105	84	59.0	9.2	38	144	0
LCS-Artdeco (NSA06-2153A)		119	115	84	58.4	9.9	32	135	0
AP 700 CL				83	58.0	9.7	38	140	0
Eltan	84	79	84	82	60.2	10.7	40	146	40
WA 8174				81	57.3	10.4	39	142	0
ARS010746-2C				81	57.6	9.4	33	144	0
Stephens	114	110	100	81	57.0	8.8	36	139	0

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)
JC1108				80	57.2	10.3	40	143	0
WA 8175				80	57.4	10.7	40	142	20
Legion				79	56.8	9.7	38	142	15
WB-Junction				79	58.3	10.1	35	137	55
LWW-04-4009			102	79	59.2	9.5	34	143	37
Bruneau				78	59.3	8.9	36	141	0
WA 8155			81	78	60.9	9.9	39	143	0
02-10606A				77	58.7	9.4	37	141	12
WA 8171				77	55.9	9.8	39	139	45
WB-528	108	104	98	76	58.1	10.5	36	140	23
WA 8172				73	56.2	10.1	39	140	42
WB-1070CL				71	61.3	10.7	32	135	0
C.V. %	10	10	7	8	1.5	10.7	4	1	208
LSD (.10)	5	7	5	7	0.9	1.1	1	1	15
Average	113	112	107	87	58.5	9.9	37	141	7
Highest	124	129	121	105	61.3	11.1	41	146	55
Lowest	84	79	81	71	55.9	8.7	32	135	0

Walla Walla Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2013 Walla Walla soft white winter wheat trial averaged 87 bushels/acre, 26 bushels/acre less than the 5-year average for this location. The Walla Walla nursery was located about six miles north of Walla Walla, WA (J. Beechinor, cooperator).

2. This nursery was seeded on 28 September, 2012 following fallow. Seed was placed at an 85#/acre seeding rate using a no-till plot drill equipped with cross-slot openers set on 10-inch spacing. Base fertilizer was 114#N/acre applied at planting. Fall seeding conditions were dry, but emergence and stand establishment were good after fall precipitation germinated the seed.

3. Yields ranged from 71 to 105 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 4 of the 59 entries in this trial. The newly released WSU/USDA-ARS variety `ARS-Selbu' was the highest yielding named entry in the trial. `Skiles', `Mary', and `Cara' were the highest yielding varieties that have five years of data averaged for this location. It is probable that some plants at this site experienced damaging frost. There was moderate, early stripe rust potential at this location and fungicides were applied twice resulting in minimal impact from stripe rust in the trial.

Test weights averaged 58.5 lbs./bu and ranged from 55.9 to 61.3 lbs./bu. Grain protein averaged 9.9% with a range of 8.7 to 11.1%. Plant height averaged 37 inches. Lodging averaged just 7% but ranged from 0 to 55% with some impact on high lodging varieties