

2012 WSU Variety Testing SW Winter Wheat Trial, Pullman

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2012				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
Tubbs 06	143	143	141	121	59.7	8.8	38	160
LWW-04-4009				120	61.1	9.0	34	164
Stephens	141	149	147	118	61.1	9.6	34	158
WA 8151				117	60.2	9.1	35	162
ARS970277L reselect				117	60.3	9.2	36	162
Otto (WA 8092)		150	146	116	53.8	10.1	38	167
WA 8154				116	61.5	9.4	39	162
Rod	146	146	143	116	59.3	9.4	35	163
WA 8134			147	116	60.3	9.1	39	162
ARS-Amber (ARS960277L)	151	154	148	115	60.3	9.2	37	162
WA 8155				115	56.1	9.1	41	166
WB-528	140	147	143	114	62.0	10.0	35	158
Eltan/Tubbs 06	142	145	142	114	58.5	9.0	38	161
ORCF-103	138	138	134	114	58.8	9.2	36	165
Madsen/Rod	140	144	143	113	59.8	9.2	35	162
WA 8143			150	113	56.5	9.3	41	167
OR2701071				112	57.5	9.1	34	161
OR08047P94				112	58.1	9.4	33	161
Madsen	137	146	146	112	60.4	9.6	34	164
WA 8116		146	143	112	58.0	9.6	36	166
Xerpha	145	140	138	112	60.1	9.4	35	162
ORCF-102	140	142	138	112	60.4	9.4	37	161
ARS-Crescent (ARS970163-4C)		147	143	112	59.4	8.6	36	165
OR2071628			143	112	59.3	9.1	33	159
WA 8153				111	61.2	9.6	37	161
ARS990077-1C				111	59.4	9.7	35	165
ARS970161-2L				110	61.4	9.7	36	163
Eltan	143	144	147	110	56.5	9.3	40	166
WA 8152				108	59.7	10.1	40	163
Masami	138	132	128	107	59.0	9.1	35	166
ARS010780-3C				106	60.0	9.8	36	165
ARS-Chrystal (ARS970075-3C)	141	149	143	106	60.8	9.6	37	162
WA 8135			135	106	61.3	10.0	40	167
Coda	138	143	137	106	62.3	9.9	39	161
WA 8136			137	106	53.8	10.1	33	167
Goetze/Skiles		127	127	106	60.7	10.4	32	158
LCS-Artdeco (NSA06-2153A)			137	105	60.8	9.7	32	158
Bruehl	138	143	144	105	57.2	9.2	38	166
WA 8137				105	60.1	9.2	37	166
ARS970161-3L			140	103	61.3	9.7	36	162
Skiles	133	139	139	103	61.6	10.4	33	161
WA 8142			131	102	61.5	10.2	33	158
ARS010762-2C				101	59.0	10.1	38	163
IDO663			136	101	61.5	9.7	33	158
Chukar	140	145	141	100	58.5	9.4	36	164
Cara	136	145	141	98	58.1	10.1	34	163
OR2070870				98	60.5	10.2	34	161
Mary (OR2040726)		135	125	87	60.9	9.2	35	159

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
C.V. %	7	7	7	7	0.9	2.4	3	1
LSD (.10)	4	5	7	8	0.6	0.2	1	1
Average	141	143	140	109	59.6	9.5	36	163
Highest	151	154	150	121	62.3	10.4	41	167
Lowest	133	127	125	87	53.8	8.6	32	158

Pullman Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Pullman soft white winter wheat trial averaged 109 bushels/acre, 32 bushels/acre lower than the 5-year average yield. The Pullman nursery was located about 3 miles southeast of Pullman, WA (N. & R. Druffel, cooperators).

2. This nursery was seeded on 19 October, 2011 following chickpeas. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 120#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.

3. Yields ranged from 87 to 121 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The variety `Tubbs 06' was the highest yielding entry in the trial, and there were 16 of the 48 entries within the top LSD range. `ARS-Amber' was the top yielding entry across five years of results at this location. Stripe rust potential at this location was moderate and fungicide was applied with the herbicide and at flag leaf emergence.

4. Test weights averaged 59.6 lbs./bu and ranged from 53.8 to 62.3 lbs./bu. Test weight was reduced by high grain moisture in some late maturity entries such as `Eltan' and new cultivars derived from Eltan. Grain yields were corrected for moisture. Grain protein averaged 9.5% and ranged from 8.6 to 10.4%. Plant height averaged 36 inches and there was no lodging.