

2012 WSU Variety Testing SW Winter Wheat Trial, Harrington

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
Otto (WA 8092)	--	66	75	90	58.9	10.3	36
ARS970161-2L	--			90	60.8	10.5	33
ARS970161-3L	--		79	89	60.8	10.0	35
WA 8116	--	67	76	88	60.4	9.9	34
Xerpha	--	70	76	87	59.7	9.7	34
OR2070870	--			86	59.8	10.7	36
Rod	--	66	77	86	59.0	9.6	32
Tubbs 06	--	65	71	86	59.1	10.1	35
ORCF-103	--	61	70	85	59.1	10.3	37
OR2071628	--		75	85	59.8	9.3	34
<i>Chukar</i>	--	70	78	84	57.5	10.2	35
<i>Bruehl</i>	--	68	76	83	56.8	10.5	36
Eltan	--	65	72	83	59.4	10.0	35
WA 8151	--			83	59.0	9.9	34
Masami	--	65	70	83	58.8	10.4	35
Eltan/Tubbs 06	--	64	73	82	60.2	9.8	37
OR2701071	--			82	56.1	10.3	35
<i>ARS-Chrystal (ARS970075-3C)</i>	--	67	75	82	59.5	10.0	35
<i>ARS-Crescent (ARS970163-4C)</i>	--	64	71	82	59.1	10.5	35
IDO663	--		69	82	60.4	10.1	36
ARS-Amber (ARS960277L)	--	66	73	81	58.6	10.0	36
Skiles	--	67	76	81	60.1	10.2	34
WB-528	--	63	72	81	61.0	11.3	34
WA 8153	--			80	60.7	10.5	37
WA 8152	--			80	60.2	10.9	36
Madsen/Rod	--	64	73	80	59.5	10.9	35
LWW-04-4009	--			79	60.1	11.7	35
ORCF-102	--	69	76	79	60.9	11.0	35
Mary (OR2040726)	--	61	71	78	60.4	10.6	36
WA 8134	--		71	78	60.2	10.3	35
WA 8155	--			78	57.9	11.4	34
WA 8143	--		72	78	58.6	10.3	33
Madsen	--	65	73	77	60.6	11.4	34
WA 8137	--			77	59.8	11.1	36
ARS970277L reselect	--			77	57.2	10.1	36
WA 8154	--			77	61.1	10.6	35
WA 8136	--		70	77	57.2	10.1	34
LCS-Artdeco (NSA06-2153A)	--		61	76	59.2	10.1	31
Goetze/Skiles	--	62	70	76	59.8	10.1	35
<i>ARS010780-3C</i>	--			76	59.9	11.5	35
<i>Coda</i>	--	63	69	76	61.4	10.8	35
OR08047P94	--			76	57.4	10.1	34
WA 8142	--		72	75	61.0	11.3	36
Stephens	--	57	66	75	59.3	11.1	37
<i>Cara</i>	--	66	71	74	57.2	10.6	35
<i>ARS010762-2C</i>	--			74	58.1	11.3	35
<i>ARS990077-1C</i>	--			72	60.1	10.9	36
WA 8135	--		64	71	59.8	12.4	37

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
C.V. %	--	9	8	8	1.3	8.0	6
LSD (.10)	--	4	4	7	0.8	0.9	2
Average	--	65	72	80	59.4	10.5	35
Highest	--	70	79	90	61.4	12.4	37
Lowest	--	57	61	71	56.1	9.3	31

Harrington Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Harrington soft white winter wheat trial averaged 80 bushels/acre, 15 bushels/acre higher than the 3-year average. The Harrington nursery was located about five miles south of Harrington, WA (Mark Kramer, cooperator).
2. This nursery was seeded on 20 September, 2011 following fallow. Seed was placed at a 45#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 70#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 71 to 90 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The recently released variety 'Otto' was the highest yielding entry in the trial, and 15 of the 48 entries within the top LSD range. Otto is an Eltan derivative with improved stripe rust resistance and end-use quality and also has Strawbreaker foot rot resistance. More information about Otto is available at: <http://variety.wsu.edu/varieties.html>. 'Xerpha' and the club 'Chukar' were the top yielding entries across three years of results at this location. Stripe rust potential at this location was low and fungicide was applied once for stripe rust control.
4. Test weights averaged 59.4 lbs./bu, and ranged from 56.1 to 61.4 lbs./bu. Grain protein averaged 10.5% and ranged from 9.3 to 12.4%. Plant height averaged 35 inches and there was no lodging.