

2011 WSU Variety Testing SW Winter Wheat Trial, Harrington

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	HEAD DATE
ORCF-102	--	--	64	74	61.5	11.1	161
Chukar +25%	--	--	65	72	60.4	9.3	163
Chukar	--	--	63	71	60.5	10.2	163
Skiles	--	--	60	71	61.4	11.0	162
03PN107#3	--	--		71	61.4	11.5	161
Bruehl	--	--	60	69	58.9	10.6	166
ARS970075-3C	--	--	60	69	62.0	12.3	162
ARS970161-3L	--	--		69	62.4	11.7	164
Cara	--	--	62	68	60.3	10.6	162
Madsen	--	--	59	68	61.0	11.1	165
Rod	--	--	56	68	60.0	11.4	165
WA 8142	--	--		68	61.8	11.9	161
Finch	--	--	56	67	60.9	11.9	166
Madsen/Rod	--	--	57	67	61.1	11.0	164
Cara +25%	--	--	60	67	60.4	10.7	163
OR2071628	--	--		66	60.7	10.8	162
OR2070385	--	--		66	60.9	11.4	162
WA 8143	--	--		66	61.2	10.9	166
UICF-Brundage	--	--	54	65	60.6	10.4	162
ARS960277L (ARS-Amber)	--	--	58	65	61.0	10.5	164
BZ6W02-616	--	--	49	65	62.6	11.6	160
WA 8116	--	--	56	65	61.5	10.9	166
WA 8134	--	--		65	60.8	10.2	161
Xerpha	--	--	61	64	61.6	10.4	164
Bruneau	--	--	52	64	61.3	10.9	163
ARS98X402-1C	--	--		64	61.2	9.8	163
Coda	--	--	57	63	63.0	11.2	163
Brundage 96	--	--	58	63	61.0	11.1	161
Bitterroot	--	--	55	63	62.2	11.1	164
WB-528	--	--	55	63	62.5	11.1	161
OR2040726 (Mary)	--	--	52	63	61.2	10.2	160
Goetze/Skiles	--	--	55	63	60.9	11.5	161
SY Ovation	--	--		63	61.7	10.0	161
Eltan/Tubbs 06	--	--	55	62	60.8	10.3	163
WA 8136	--	--		62	60.3	10.6	167
AP Badger	--	--		62	60.1	11.2	161
Eltan	--	--	55	61	61.3	11.2	166
96-16702A	--	--		61	62.1	11.0	161
WA 8144	--	--		61	62.1	11.1	167
Legion	--	--	53	60	60.2	11.1	162
WA 8114	--	--	48	60	62.0	11.3	159
ARS970163-4C	--	--	56	60	62.0	11.3	164
WA 8092	--	--	54	59	60.8	11.0	167
Masami	--	--	55	58	60.6	10.3	166
AP 700 CL	--	--	50	58	61.0	11.7	161
Rod/Tubbs 06	--	--	52	58	60.6	11.3	163

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	HEAD DATE
Rod/WB-528	--	--		58	61.5	11.2	161
Stephens	--	--	47	57	60.8	11.3	160
WA 8135	--	--		57	62.2	12.0	166
IDO663	--	--		57	61.2	11.0	160
WA 8094	--	--	53	56	62.1	9.9	165
ARS97230-6C	--	--		56	61.0	10.7	162
WA 8145	--	--		56	61.0	11.5	161
Tubbs 06	--	--	55	55	60.5	11.5	162
ORCF-103	--	--	49	55	61.0	11.3	166
ID00-475-2DH	--	--	50	55	62.5	11.8	164
AP Legacy	--	--	51	54	61.3	10.6	164
Sunrise (Soft Red)	--	--	49	50	61.6	12.1	161
Lambert	--	--	45	46	61.6	11.8	160
NSA06-2153A	--	--		46	60.0	11.9	159
C.V.	--	--	13	8	0.7	8.8	1
LSD	--	--	8	9	0.8	1.9	2
Average	--	--	55	62	61.2	11.0	163
Highest	--	--	65	74	63.0	12.3	167
Lowest	--	--	45	46	58.9	9.3	159

Harrington Soft White Winter Wheat – Preliminary Data

1. Grain yield in the Harrington soft white winter wheat trial averaged 62 bushels/acre, 15 bushels/acre higher than the 2010 average. Higher yields were enabled by favorable spring precipitation and temperatures. The Harrington nursery was located about three miles west of Harrington, WA (M. Kramer, cooperator).
2. This nursery was seeded on 15 September, 2010 following summer fallow. Seed was placed at a 45#/acre seeding rate using a deep furrow plot drill set on 15-inch spacing. Base fertilizer was 60#N. Fall seeding conditions were favorable and emergence and stand establishment were very good.
3. Yields ranged from 45 to 74 bu/ac. All yield values within the 10% LSD range of the highest yield are shown in bold. ORCF-102 was the highest yielding named cultivar in the trial, and 23 of the 60 entries in the trial were within the top LSD range. The cool and wet spring conditions along with regional inoculum sources created significant levels of stripe rust potential at this location. No fungicide was applied and susceptible varieties could have up to 20% yield loss due to strip rust. The Lattice design was 102% efficient compared to an RCBD.
4. Test weights were good with an average of 61.2 lb/bu. Grain protein averaged 11.0% with a range of 9.3 to 12.3%.