

2012 WSU Variety Testing SW Winter Wheat Trial, Fairfield

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
<i>ARS-Crescent (ARS970163-4C)</i>	--	--	86	72	58.7	9.1	37	169
ORCF-103	--	--	82	69	58.0	10.1	37	170
WA 8155	--	--		68	60.9	9.8	38	171
OR08047P94	--	--		67	57.9	10.0	34	167
Eltan	--	--	80	66	59.9	10.2	35	171
<i>Bruehl</i>	--	--	82	64	56.5	10.4	38	171
WA 8116	--	--	79	64	59.8	10.8	33	170
WA 8152	--	--		64	60.4	10.4	38	169
OR2070870	--	--		64	59.5	11.8	33	168
Xerpha	--	--	80	63	61.0	10.7	36	167
<i>ARS990077-1C</i>	--	--		62	59.6	10.2	32	171
WA 8143	--	--	86	61	60.4	10.0	36	171
WA 8153	--	--		61	59.7	11.0	35	167
WA 8135	--	--	78	61	61.2	10.7	34	171
<i>Chukar</i>	--	--	81	61	58.8	10.4	34	169
<i>Cara</i>	--	--	79	61	58.4	10.6	31	169
Skiles	--	--	77	60	60.3	11.5	34	167
Madsen	--	--	81	60	58.7	10.7	34	170
WA 8154	--	--		59	60.1	11.0	36	168
<i>ARS-Chrysal (ARS970075-3C)</i>	--	--	77	58	59.1	10.6	33	168
WA 8142	--	--	73	58	60.5	12.1	35	165
ORCF-102	--	--	75	58	59.3	10.9	35	167
ARS-Amber (ARS960277L)	--	--	78	57	59.5	10.6	33	167
Otto (WA 8092)	--	--	76	56	59.5	10.4	35	171
Madsen/Rod	--	--	71	56	58.5	11.3	34	167
ARS970277L reselect	--	--		55	59.5	11.0	34	167
Mary (OR2040726)	--	--	71	55	59.6	10.4	33	164
OR2071628	--	--	70	55	58.5	10.4	32	165
Eltan/Tubbs 06	--	--	68	55	59.6	10.0	36	168
OR2701071	--	--		55	56.7	11.3	34	167
WA 8134	--	--	69	54	58.6	11.1	36	168
Rod	--	--	72	54	58.6	10.7	32	168
<i>ARS010762-2C</i>	--	--		54	57.8	11.3	36	169
Tubbs 06	--	--	65	53	57.8	11.4	36	166
ARS970161-3L	--	--	69	53	60.4	11.4	34	167
<i>ARS010780-3C</i>	--	--		52	59.2	11.7	34	168
Goetze/Skiles	--	--	70	51	59.4	11.9	30	164
WA 8151	--	--		51	58.7	11.3	33	168
LCS-Artdeco (NSA06-2153A)	--	--	65	51	57.7	11.3	30	165
Masami	--	--	69	50	56.9	10.7	33	171
<i>Coda</i>	--	--	65	49	61.8	11.8	35	167
LWW-04-4009	--	--		49	58.8	11.4	32	170
ARS970161-2L	--	--		48	59.6	12.2	33	168
WA 8137	--	--		47	59.4	11.5	33	171
WB-528	--	--	69	46	59.8	12.0	33	165
Stephens	--	--	57	45	57.9	12.3	34	164
WA 8136	--	--	58	41	56.2	11.6	29	172
IDO663	--	--	54	36	57.4	12.4	31	165

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
C.V. %	--	--	10	10	1.2	6.1	4	1
LSD (.10)	--	--	5	6	0.8	0.7	2	1
Average	--	--	73	56	59.1	11.0	34	168
Highest	--	--	86	72	61.8	12.4	38	172
Lowest	--	--	54	36	56.2	9.1	29	164

Fairfield Soft White Winter Wheat - Preliminary Data

1. Grain yield in the 2012 Fairfield soft white winter wheat trial averaged 56 bushels/acre, 33 bushels/acre lower than the 2011 yield. The Fairfield nursery was located about one mile northeast of Fairfield, WA (A. Anderberg, cooperator).
2. This nursery was seeded on 13 October, 2011 following barley. Seed was placed at an 85#/acre seeding rate using a plot drill equipped with double-disc openers set on 6-inch spacing. Base fertilizer was 114#N/acre applied pre-plant. Fall seeding conditions were good as were emergence and stand establishment.
3. Yields ranged from 36 to 72 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold. The recently released club `ARS-Crescent' was the highest yielding entry in the trial, and 5 of the 48 entries were within the top LSD range. ARS-Crescent was also the top yielding entry across two years of results at this location. Stripe rust potential was low at this location with fungicide applied 10 May with herbicide. Significant levels of Ceph.-stripe were observed at this location and may have influenced yields.
4. Test weights averaged 59.1 lbs./bu and ranged from 56.2 to 61.8 lbs./bu. Grain protein averaged 11.0% and ranged from 9.1 to 12.4%. Plant height averaged 34 inches and there was no lodging.