

2014 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)	2014				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>ARS-Crescent</i>	--	93	104	111	58.3	9.3	37	165
Xerpha	--	78	85	111	58.8	9.5	36	162
WA 8169	--			110	57.6	9.2	39	160
Bobtail	--	83	91	110	55.3	9.5	35	161
<i>ARS-Chrysal</i>	--	80	91	107	59.1	9.4	39	164
WA 8173	--		92	106	58.0	9.6	37	161
Eltan	--	83	92	105	58.6	9.1	40	165
<i>Bruehl</i>	--	89	101	105	57.3	9.0	40	165
Mary	--	86	102	105	58.5	9.7	35	158
WA 8176	--		89	104	60.6	10.1	43	165
IDO1108DH	--		97	104	57.8	9.2	41	163
<i>Coda</i>	--	79	93	103	60.7	9.9	39	164
SY 107	--			103	58.7	9.4	35	161
Skiles	--	81	92	103	58.8	10.5	35	162
ARS-Amber	--	78	89	101	58.2	9.4	37	162
Bruneau	--		91	101	58.9	10.0	37	160
<i>ARS010262-1C</i>	--			101	59.7	10.0	37	164
WA 8188	--			100	59.3	10.6	38	160
Masami	--	73	85	100	57.0	9.6	39	165
WA 8206	--			100	60.2	10.1	39	160
WA 8187	--			99	59.1	10.6	35	163
ARS-Selbu	--	75	86	99	60.0	9.9	38	161
WA 8203	--			99	58.2	9.6	39	160
<i>ARS010780-3C</i>	--	73	84	99	58.3	10.0	35	164
SY Ovation	--		85	99	58.8	9.4	37	160
WA 8177	--			98	58.7	10.4	35	163
WB-Junction	--		83	98	58.9	9.6	33	157
UI-WSU Huffman (IDN-03-29902A)	--			98	58.7	9.8	37	164
LWW-04-4009	--	73	86	98	59.5	10.2	36	164
Legion	--		83	97	57.6	9.5	39	160
Kaseberg	--	74	84	97	57.6	9.7	35	159
Otto	--			97	58.4	9.9	40	166
IDN-02-29001A	--			97	59.6	10.1	38	160
Tubbs 06	--	79	93	95	57.4	9.6	41	159
Rosalyn (OR2071071)	--	74	84	95	54.3	9.8	35	163
WA 8204	--			95	59.4	10.3	42	160
Ladd (OR2070870)	--	76	83	95	58.3	10.5	36	162
ARS010729-1L	--		87	95	60.5	9.6	34	161
ORCF-102	--			95	58.9	10.5	37	161
ORCF-103	--	78	83	95	57.5	10.6	38	164
IDN-01-10704A	--			95	57.1	10.0	40	159
<i>Cara</i>	--	75	83	95	57.2	10.5	35	164
IDN-02-08806A	--			95	58.4	10.2	35	160
WA 8212	--			95	58.2	10.7	35	164
Madsen	--	80	90	94	58.6	10.3	38	163
WA 8205	--			94	59.7	10.0	35	164
WB-528	--	69	81	94	59.3	10.6	37	158
OR2080641	--		88	94	58.2	10.2	35	161

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WB 523	--		77	93	59.4	10.4	36	159
LWW12-7105	--			93	56.7	10.4	28	158
OR2090473	--			92	56.9	9.9	33	159
Puma	--	75	86	92	57.7	9.4	42	163
LCS-Artdeco	--	74	86	92	56.0	10.0	33	158
WB 456	--		79	92	59.1	11.3	35	158
WB-1070CL	--		76	89	60.1	11.6	32	157
Trifecta	--		85	88	59.2	10.5	35	159
Stephens	--	70	82	87	58.1	10.2	35	158
IDN-04-00405B	--			85	57.5	10.0	35	158
LCS-Biancor	--			84	57.3	9.9	32	160
AP700 CL	--		81	84	57.7	10.5	39	158
C.V. %	--	8	8	5	0.9	4.3	4	1
LSD (.10)	--	4	5	5	0.5	0.5	2	1
Average	--	78	87	98	58.4	10.0	37	161
Highest	--	93	104	111	60.7	11.6	43	166
Lowest	--	69	76	84	54.3	9.0	28	157

Fairfield Soft White Winter Wheat

1. Grain yield in the 2014 Fairfield soft white winter wheat trial averaged 98 bushels/acre, higher than the three-year average of 78 bushels/acre. The Fairfield nursery was located about four miles east of Fairfield, WA (D. Degon, Cooperator).
2. This nursery was seeded on 4 October, 2013 following dry peas. Seed was placed at a 95#/acre seeding rate using a no-till plot drill equipped with cross-slot openers on 12-inch spacing. Base fertilizer was 114#N/acre. Fall seeding and emergence were adequate. The entries survived cold December temperatures in this trial better than at many locations with little or no reduced stands evident in the spring.
3. Yields reported ranged from 84 to 111 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 6 of the 60 entries in this trial. The club variety 'ARS-Crescent' and common variety 'Xerpha' were the highest yielding named entries in the trial. ARS-Crescent also has the highest yield over three years at this location. No stripe rust was observed and no fungicides were applied.
4. Test weights averaged 58.4 lbs/bu and ranged from 54.3 to 60.7 lbs/bu. Grain protein averaged 10.0% with a range of 9.0% to 11.6% and was lower than the 2013 protein level. Plant height averaged 37 inches with no lodging.