

2014 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)	2014				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	SPRING STAND*
Xerpha	70	75	69	56	58.7	8.6	28	9
Bobtail		74	72	54	57.6	9.1	27	9
<i>ARS010679-1C</i>				52	58.7	9.7	24	9
WA 8169			70	52	59.6	9.6	29	8
WA 8200				51	59.7	9.8	28	8
Masami	66	73	68	50	59.2	10.5	27	9
<i>ARS010780-3C</i>		70	67	50	59.7	9.4	26	8
OR2080641				49	59.1	10.2	26	9
Otto	66	75	67	49	60.8	10.7	27	9
IDO1108DH			69	48	57.6	10.2	29	9
<i>ARS-Crescent</i>	67	75	71	48	59.3	9.1	25	9
CuriosityCL+ (WA 8143)		73	70	48	60.3	10.5	29	8
<i>ARS010262-1C</i>				48	61.0	9.8	27	9
<i>4J071366-1</i>				48	59.7	10.4	27	8
Kaseberg		70	63	47	60.1	10.1	26	8
MelaCL+ (WA 8155)		68	63	46	58.8	9.5	29	9
IDN-04-00405B				46	59.0	10.4	27	8
WA 8170			64	45	61.0	11.4	28	8
WA 8202				45	57.7	10.8	27	8
Eltan/Tubbs 06	63	69	62	45	60.5	9.7	29	9
<i>4J071246-1C</i>			67	45	59.5	9.6	29	9
ORCF-103	61	68	60	45	60.2	10.6	28	9
Eltan	64	70	64	45	60.1	9.8	28	9
ARS-Selbu		74	67	43	60.3	9.7	28	9
LWW10-1073				43	58.4	10.7	29	9
ARS-Amber	63	67	60	43	57.2	9.7	26	9
<i>Bruehl</i>	67	72	66	42	58.1	9.8	30	9
WA 8199				42	58.1	10.1	30	8
WB-Junction			58	42	61.6	11.3	27	8
Puma		66	59	42	58.2	10.4	29	9
Madsen	62	63	57	42	57.7	10.4	27	9
IDN-01-10704A				41	59.4	10.9	28	8
Tubbs 06	64	69	61	41	59.0	10.4	28	8
Skiles	65	68	61	41	57.6	11.9	27	8
WA 8201				41	60.1	11.0	26	8
IDN-02-08806A				40	59.0	10.8	25	8
ORCF-102				40	58.2	10.1	29	8
<i>Cara</i>	62	63	57	40	55.2	11.0	24	8
<i>Coda</i>	62	66	61	38	61.0	10.4	27	9
Stephens	57	63	57	38	57.4	10.2	25	9
ARS010729-1L			60	37	62.9	10.7	24	8
LWW12-7105				37	60.4	12.2	22	8
OR2090473				36	58.0	9.8	22	9
LWW-04-4009		65	58	35	59.2	12.2	25	7
LCS-Biancor				35	58.0	10.7	23	7
IDN-02-29001A				35	61.3	11.3	26	6
Trifecta			53	35	62.2	11.3	26	8
Rosalyn (OR2071071)		61	51	21	58.2	11.1	24	5

*Spring Stand Rating: 0 (no plants) - 9 (full stand)

2014 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)	2014				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	SPRING STAND*
C.V. %	10	9	10	11	3.4	8.4	6	12
LSD (.10)	3	4	4	5	2.1	0.9	2	1
Average	64	69	63	43	59.3	10.4	27	8
Highest	70	75	72	56	62.9	12.2	30	9
Lowest	57	61	51	21	55.2	8.6	22	5

Harrington Soft White Winter Wheat

1. Grain yield in the 2014 Harrington soft white winter wheat trial averaged 43 bushels/acre, well below the five-year average of 63 bushels/acre. The Harrington nursery was located about five miles southwest of Harrington, WA (M. Kramer, Cooperator).
2. This nursery was seeded on 13 September, 2013 following fallow. Seed was placed at a 50#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 80#N/acre. Fall seeding conditions were adequate as were initial emergence and stand establishment. The crop emerged before fall dormancy and was vulnerable to the December and later cold conditions that contributed to some winter injury on some varieties. Ratings of spring stands are presented in the table with range from 0 (all appear dead) to 9 (full survival). Fall establishment, cold tolerance and winter survival were factors in the spring stand values. All trial entries are included in the table and lower rated spring stands carried through to yield.
3. Yields reported ranged from 21 to 56 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 5 of the 48 entries in this trial. The variety 'Xerpha' was the highest yielding named entry in the trial and also had the highest yield for 5-year results. There was no significant stripe rust observed at this location and no fungicide was applied.
4. Test weights averaged 59.3 lbs/bu and ranged from 55.2 to 62.9 lbs/bu. Grain protein averaged 10.4%, similar to the 2013 average, and ranged from 8.6 to 12.2%. Plant height averaged 27 inches and there was no lodging.

*Spring Stand Rating: 0 (no plants) - 9 (full stand)