

2014 WSU Variety Testing SW Winter Wheat Trial, Reardan

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	SPRING STAND*
<i>ARS-Crescent</i>	118	97	105	85	58.9	12.2	33	165	8
Xerpha	116	98	103	83	58.6	12.3	35	162	8
WA 8176			97	83	60.8	12.6	39	163	8
Eltan	106	93	104	82	59.4	11.6	36	161	9
<i>ARS-Chrystal</i>	116	92	100	81	59.2	12.4	35	161	7
WA 8169				80	58.2	12.1	34	157	9
<i>ARS010262-1C</i>				80	59.9	12.1	34	161	8
ARS-Amber	116	91	101	78	58.7	12.0	34	162	9
IDN-04-00405B				77	58.3	12.3	31	157	8
Legion			95	77	57.9	12.0	37	159	9
Otto				77	58.7	12.6	36	165	6
IDO1108DH			100	76	58.1	12.5	38	161	8
<i>Cara</i>	110	86	92	76	57.5	12.8	31	163	7
WB-Junction			88	76	59.4	12.6	32	156	8
SY 107				75	58.9	12.6	31	159	8
Bobtail		94	101	75	56.6	11.4	31	159	8
ARS-Selbu		93	100	75	60.2	13.1	35	160	8
ARS010729-1L			93	75	60.4	12.7	31	162	6
Mary	109	90	99	74	58.8	12.7	31	157	8
UI-WSU Huffman (IDN-03-29902A)				74	58.9	12.0	34	161	7
WA 8205				74	60.1	12.8	31	162	8
Bruneau			98	73	59.4	12.5	32	160	7
WA 8173			100	73	58.2	12.6	35	160	8
Masami	107	88	95	73	57.7	11.9	36	164	8
ORCF-103	103	87	93	71	58.8	12.3	34	163	9
OR2090473				71	57.5	12.4	31	159	6
AP700 CL			88	71	58.4	12.6	32	159	8
<i>Bruehl</i>	113	93	100	70	58.3	12.1	37	162	8
OR2080641			96	70	58.8	12.8	34	162	6
WB 523			89	70	59.1	12.9	34	159	8
WA 8206				69	60.2	13.8	34	158	6
<i>ARS010780-3C</i>		84	89	69	59.0	13.0	35	165	7
IDN-02-29001A				69	59.5	13.5	33	158	8
LWW12-7105				69	57.1	11.9	28	157	8
Kaseberg		85	90	69	57.6	12.0	33	159	6
Stephens	93	82	88	69	58.1	12.5	31	157	8
Skiles	102	83	91	68	58.0	13.7	32	160	7
SY Ovation			92	68	59.0	13.2	34	159	5
WA 8187				68	59.3	13.3	35	162	6
WA 8203				68	58.0	12.5	34	159	8
IDN-01-10704A				68	57.6	12.0	36	158	8
Tubbs 06	105	89	92	68	57.3	12.6	38	159	8
WA 8188				67	59.4	13.8	33	158	7
WA 8177				67	59.0	13.7	32	165	6
Rosalyn (OR2071071)		83	86	67	57.3	12.2	31	165	2
Trifecta			82	67	59.4	13.7	33	158	7
Puma		91	95	67	58.3	13.3	37	160	6
<i>Coda</i>	107	84	90	66	60.3	13.4	35	162	7

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	SPRING STAND*
IDN-02-08806A				65	59.6	12.5	32	160	7
Madsen	104	83	88	65	58.7	13.1	34	162	8
WB-528	95	77	84	63	60.2	13.6	33	158	7
LWW-04-4009		85	88	62	59.7	14.0	33	164	8
WA 8212				62	58.9	13.9	32	164	6
ORCF-102				60	58.7	13.2	35	160	8
LCS-Biancor				59	57.5	12.0	29	162	4
Ladd (OR2070870)		79	84	59	57.4	14.6	32	163	5
WB 456			75	59	59.6	13.5	31	157	7
WA 8204				57	59.0	13.7	36	161	6
LCS-Artdeco		69	68	57	55.7	12.8	30	160	3
WB-1070CL			60	48	60.0	15.1	29	157	3
C.V. %	8	8	8	8	0.6	3.9	3	1	16
LSD (.10)	4	4	5	6	0.4	0.5	1	1	1
Average	107	87	92	70	58.7	12.8	33	160	7
Highest	118	98	105	85	60.8	15.1	39	165	9
Lowest	93	69	60	48	55.7	11.4	28	156	2

Reardan Soft White Winter Wheat

1. Grain yield in the 2014 Reardan soft white winter wheat trial averaged 70 bushels/acre, a third less than the five-year average of 108 bushels/acre. The Reardan nursery was located about seven miles west of Reardan, WA (H. Johnson, Cooperator).
2. This nursery was seeded on 19 September, 2013 following chem-fallow. Seed was placed at an 85#/acre seeding rate using a no-till plot drill equipped with cross-slot openers on 12-inch spacing. Base fertilizer was 80#N/acre pre-plant. Fall seeding and emergence were adequate. The crop emerged before fall dormancy and showed winter damage on some entries. Ratings of spring stands are presented in the data table as an evaluation range from 0 (all appeared dead) to 9 (full survival).
3. Yields reported ranged from 48 to 85 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 7 of the 60 entries in this trial. The club variety 'ARS-Crescent', was the highest yielding named entry in the trial and was the highest yield over five years at this location. No stripe rust was observed or fungicide applied.
4. Test weights averaged 58.7 lbs/bu and ranged from 55.7 to 60.8 lbs/bu. Grain protein at 12.8% averaged higher than in 2013 with a range of 11.4 to 15.1%. Plant height averaged 33 inches with no lodging.