

2014 WSU Variety Testing SW Winter Wheat Trial, Mayview

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
WA 8169				53	58.3	9.9	32	153
Ladd (OR2070870)		86	83	52	59.8	10.1	31	156
Bobtail		83	81	51	58.0	9.2	31	153
WA 8173			88	50	59.0	9.7	33	153
ORCF-102				50	60.6	10.8	33	155
<i>Coda</i>	99	84	81	49	61.6	9.8	32	155
OR2090473				49	58.5	9.1	27	154
LCS-Artdeco		87	86	48	58.2	8.9	28	155
WA 8188				48	60.8	10.0	33	153
Skiles	99	84	77	47	60.2	10.3	30	153
Rosalyn (OR2071071)		85	77	47	57.6	9.4	29	155
SY 107				46	58.8	9.0	31	155
<i>ARS010780-3C</i>		74	74	46	59.7	9.9	30	158
Puma		87	82	46	59.9	10.5	34	153
<i>ARS-Chrystal</i>	98	80	75	46	60.0	10.7	28	157
IDO1108DH			80	45	58.5	9.5	33	153
Kaseberg		85	80	45	59.4	9.8	29	156
IDN-02-08806A				45	60.8	10.0	30	155
WA 8204				45	60.5	9.9	34	155
WA 8176			83	45	61.4	10.6	32	158
IDN-01-10704A				45	58.8	9.7	31	153
Tubbs 06	102	94	88	45	59.2	9.6	33	155
WA 8177				44	60.6	10.0	29	151
<i>ARS010262-1C</i>				44	60.4	10.0	31	154
Mary	99	86	87	44	60.0	9.9	30	155
Madsen	98	82	77	43	60.2	10.7	29	153
Stephens	92	82	74	43	58.6	10.3	31	153
WB-1070CL			78	43	61.9	10.4	30	153
WA 8187				43	60.7	10.3	28	154
UI-WSU Huffman (IDN-03-29902A)				43	60.0	9.4	32	155
Masami	94	80	74	43	59.0	9.7	31	151
IDN-02-29001A				43	60.9	9.9	32	155
AP700 CL			77	42	59.7	9.9	32	153
WB-528	98	84	76	42	61.0	10.4	31	155
WA 8206				42	61.3	10.6	31	153
Trifecta			75	42	60.6	10.6	33	155
ARS-Selbu		80	76	42	61.3	10.2	33	155
Legion			80	42	59.0	9.6	33	152
WA 8212				41	60.5	10.6	28	153
ARS010729-1L			82	41	61.3	9.8	29	153
WB-Junction			77	41	60.3	9.9	30	155
LWW-04-4009		89	80	41	61.0	10.3	31	156
Xerpha	100	87	80	40	60.4	10.1	34	153
<i>ARS-Crescent</i>	101	86	78	40	58.7	9.7	28	158
WB 456			71	40	60.5	11.5	30	153
ARS-Amber	103	88	79	40	59.3	9.4	31	153
OR2080641			80	40	58.9	10.0	31	158
Bruneau			73	40	60.3	9.6	30	153

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
WA 8203				40	59.3	10.5	32	158
WA 8205				40	61.0	10.4	28	156
SY Ovation			77	39	60.7	9.4	32	153
WB 523			69	39	60.4	10.7	32	153
IDN-04-00405B				38	58.8	10.3	28	153
LWW12-7105				38	58.3	9.6	25	154
LCS-Biancor				38	58.8	9.6	28	152
Otto				37	59.8	10.6	32	159
ORCF-103	98	86	78	36	59.8	10.7	30	157
Eltan	93	84	76	33	60.3	10.0	32	158
<i>Bruehl</i>	98	87	78	33	58.5	9.9	33	155
<i>Cara</i>	96	75	64	32	57.9	10.0	28	158
C.V. %	7	7	8	8	0.6	5.6	4	0
LSD (.10)	3	3	4	4	0.4	0.6	1	0
Average	98	84	78	43	59.8	10.0	31	155
Highest	103	94	88	53	61.9	11.5	34	159
Lowest	92	74	64	32	57.6	8.9	25	151

Mayview Soft White Winter Wheat

1. Grain yield in the 2014 Mayview soft white winter wheat trial averaged 43 bushels/acre, less than half of the five-year average of 98 bushels/acre. The Mayview nursery was located about five miles south of Lower Granite Dam (R. & R. Koller, Cooperators).

2. This nursery was seeded on 7 October, 2013 following fallow. Seed was placed at an 85#/acre seeding rate using a plot drill equipped with double-disc openers on 6-inch spacing. Base fertilizer was 90#N/acre. Fall seeding and emergence were adequate. The entries survived cold December temperatures in this trial better than at many locations with only minor reduced stands evident in the spring likely due to snow cover. Late season hail hit this trial and knocked many heads off and stems down. Examination of each plot showed uniform damage estimated at the time of 30-40%. This is a significant factor in the trial and results should be evaluated accordingly. There was definitely an impact on overall yields. However, the statistical analyses showed highly significant differences and a CV of 8% for yield. The Mayview spring wheat and barley trial were more severely hailed in the same storm and the spring trials were a complete loss.

3. Yields reported ranged from 32 to 53 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 variety 'Ladd' was the highest yielding named entry in the trial. 'ARS-Amber' had the highest yield over five years at this location. No stripe rust was observed.

4. Test weights averaged 59.8 lbs/bu and ranged from 57.6 to 61.9 lbs/bu. Grain protein at 10.0% averaged equivalent to the 2013 protein level with a range of 8.9 to 11.5%. Plant height averaged 31 inches with no lodging.