

## 2014 WSU Variety Testing SW Winter Wheat Trial, Ritzville

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*
Eltan	66	62	59	61	60.7	8.0	34	147	9
CuriosityCL+ (WA 8143)		57	58	60	61.0	7.8	34	147	9
<i>4J071366-1</i>				59	59.8	8.3	31	147	9
Masami	68	63	58	59	60.3	7.4	31	148	9
WA 8169			55	57	59.8	8.3	31	146	9
IDO1108DH			55	57	59.6	8.3	32	148	9
Otto	68	64	59	56	60.8	7.8	32	149	9
WA 8202				56	61.3	8.1	31	146	9
Eltan/Tubbs 06	65	60	53	55	60.7	8.3	31	148	9
MelaCL+ (WA 8155)		58	56	55	61.3	8.6	32	147	9
Bobtail		62	57	55	57.5	7.3	30	145	9
WA 8170			52	54	60.3	8.9	32	146	9
<i>ARS010780-3C</i>		58	55	54	60.5	8.2	30	148	9
<i>4J071246-1C</i>			53	54	59.4	8.2	31	148	9
WA 8199				54	60.5	8.2	30	148	9
<i>Bruehl</i>	64	58	52	53	58.4	7.4	32	148	9
IDN-01-10704A				53	60.3	8.5	31	146	9
<i>ARS-Crescent</i>	66	56	51	53	59.9	8.3	29	149	9
ORCF-103	61	58	51	53	60.3	9.4	29	147	9
WB-Junction			48	52	61.9	8.4	31	140	9
Xerpha	69	65	58	52	60.2	7.6	32	147	9
Puma		59	52	51	60.8	8.9	31	146	9
ARS-Amber	65	58	50	51	59.4	7.8	31	147	9
<i>ARS010262-1C</i>				50	61.0	9.2	28	148	9
Kaseberg		58	52	50	60.1	8.2	29	145	9
ARS-Selbu		60	53	50	60.9	8.7	31	148	9
<i>ARS010679-1C</i>				50	58.7	7.3	28	148	9
LWW10-1073				50	60.5	9.1	32	147	9
WA 8201				49	60.8	9.4	30	149	9
<i>Coda</i>	60	55	48	48	61.5	8.8	30	148	9
WA 8200				48	61.9	8.9	31	149	9
OR2080641				48	61.1	8.5	30	146	9
IDN-02-29001A				47	61.9	8.9	32	145	9
<i>Cara</i>	62	54	48	47	58.3	8.2	27	149	9
ORCF-102				47	60.9	8.4	32	146	9
IDN-04-00405B				46	60.4	9.0	28	145	9
ARS010729-1L			49	45	62.2	9.3	28	148	8
Tubbs 06	59	54	46	43	60.3	9.0	32	147	8
Skiles	58	53	44	42	61.3	8.6	28	146	8
Madsen	57	50	43	42	61.0	9.2	30	148	9
Trifecta			43	40	61.9	9.8	29	145	7
IDN-02-08806A				39	61.2	9.4	28	147	9
LWW12-7105				36	59.6	9.9	25	146	4
Stephens	52	46	38	34	59.7	9.6	28	146	8
OR2090473				31	58.1	9.9	25	148	6
LCS-Biancor	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	1
Rosalyn (OR2071071)	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	0
LWW-04-4009	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	1

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

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Variety Name <i>Club Italicized</i>	2014								
	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	SPRING STAND*
C.V. %	10	11	8	8	0.7	6.4	4	1	8
<b>LSD (.10)</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>0.4</b>	<b>0.6</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Average</b>	63	56	50	48	60.3	8.7	30	147	8
<b>Highest</b>	69	65	59	61	62.2	12.2	34	149	9
<b>Lowest</b>	52	46	38	31	57.5	7.3	25	140	0

### Ritzville Soft White Winter Wheat

1. Grain yield in the 2014 Ritzville soft white winter wheat trial averaged 48 bushels/acre, below the five-year average of 63 bushels/acre. The Ritzville nursery was located about four miles west of Ritzville, WA (R. Jirava, Cooperator).

2. This nursery was seeded on 10 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 60#N/acre spring applied. Fall seeding conditions were adequate and initial emergence and stand establishment were good especially for deep emerging varieties. The crop emerged before fall dormancy and was vulnerable to the December and later cold conditions that contributed to winter injury on many 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. Three varieties with the lowest rated spring stands did not have adequate stands to evaluate further in the trial. The statistical CV of 8% is low historically for this location.

3. Yields reported ranged from 31 to 61 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 6 of the 48 entries in this trial. The variety 'Eltan' was the highest yielding named entry in the trial followed closely by 'Curiosity CL+' one of the two new two-gene Clearfield varieties (Eltan types). There was no stripe rust observed at this location and no fungicide was applied.

Test weights averaged 60.3 lbs/bu and ranged from 57.5 to 62.2 lbs/bu. Grain protein at 8.7% averaged lower than in 2013 with a range of 7.3 to 12.2%. Plant height averaged 30 inches and there was no lodging.

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