

2014 WSU Variety Testing SW Winter Wheat Trial, Lind

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*
WA 8202				32	62.8	12.7	24	147	6
Otto	44	42	40	31	62.1	12.6	25	149	8
MelaCL+ (WA 8155)		38	36	31	62.8	12.0	26	147	8
CuriosityCL+ (WA 8143)		38	37	30	62.3	12.1	25	146	6
Xerpha	48	46	42	30	61.8	12.5	25	148	5
Eltan	43	40	36	29	62.7	12.1	27	147	8
Masami	46	44	37	29	61.0	12.2	25	147	6
WA 8169			35	29	60.5	12.9	25	145	6
Eltan/Tubbs 06	43	40	37	28	62.1	11.9	25	147	7
<i>4J071366-1</i>				28	62.4	12.4	24	147	7
WA 8199				27	60.9	12.9	24	151	5
<i>ARS010780-3C</i>		39	34	27	62.4	12.7	21	150	4
IDO1108DH			37	27	60.6	13.6	26	148	4
WA 8200				27	61.9	12.2	25	149	4
ORCF-103	43	41	35	27	61.8	12.4	24	148	7
<i>ARS-Crescent</i>	46	44	37	27	61.9	12.5	23	150	6
<i>ARS010262-1C</i>				26	62.7	12.9	22	146	6
<i>4J071246-1C</i>			37	25	60.9	12.7	23	150	4
IDN-01-10704A				25	60.9	12.8	25	147	5
ARS-Selbu		42	36	24	61.7	13.6	22	150	5
WA 8170			34	24	60.1	13.5	25	147	4
IDN-02-29001A				24	61.5	13.8	24	146	4
WA 8201				24	60.6	12.8	24	151	4
OR2080641				24	60.7	12.6	22	148	3
<i>Coda</i>	45	41	35	23	62.2	13.3	22	150	5
Puma		35	32	23	61.9	14.0	26	148	3
LWW10-1073				23	60.3	13.7	24	148	4
WB-Junction			32	22	62.7	13.4	22	143	5
Bobtail		41	37	22	58.3	11.5	22	147	4
Tubbs 06	43	41	35	22	60.2	13.1	24	146	3
<i>Cara</i>	40	37	32	22	59.3	13.4	20	151	3
ARS-Amber	40	36	30	21	61.6	12.6	21	148	4
IDN-04-00405B				21	61.5	12.2	22	145	5
<i>ARS010679-1C</i>				21	60.9	13.3	23	151	4
<i>Bruehl</i>	45	40	32	21	60.8	13.0	24	151	4
Skiles	39	37	32	19	59.4	15.0	17	148	3
IDN-02-08806A				17	60.8	13.3	22	147	2
ARS010729-1L			31	17	60.5	13.8	21	149	3
Madsen	39	36	30	17	59.9	14.6	22	149	3
ORCF-102				16	60.3	13.9	22	149	3
Kaseberg		31	29	15	60.4	12.9	22	146	3
Stephens	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	2
Trifecta	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	1
LWW12-7105	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	2
OR2090473	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	1
Rosalyn (OR2071071)	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	0
LCS-Biancor	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	1
LWW-04-4009	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	0

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

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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*
C.V. %	12	12	12	12	1.0	2.6	6	1	20
LSD (.10)	2	3	3	3	0.6	0.4	1	1	1
Average	43	38	33	22	61.0	13.1	23	136	4
Highest	48	46	42	32	62.8	15.0	27	151	8
Lowest	39	31	29	15	58.3	11.5	17	143	0

Lind Soft White Winter Wheat

1. Grain yield in the 2014 Lind soft white winter wheat trial averaged 22 bushels/acre, well below the five-year average of 42 bushels/acre. The Lind nursery was located on the WSU Lind Dryland Experiment Station about three miles NE of Lind, WA.
2. This nursery was seeded on 4 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 50#N/acre spring applied. Fall seeding conditions were dry. Initial emergence and stand establishment were good for deep emerging varieties, but there was some variability especially for poorer 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. Seven varieties with the lowest rated spring stands did not have adequate stands to evaluate further in the trial. The statistical CV of 12% is typical for low rainfall sites and historically for this location.
3. Yields ranged from 15 to 32 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 8 of the 48 entries in this trial. The variety 'Otto' was the highest yielding named entry in the trial followed closely by 'Mela CL+' and 'Curiosity CL+' the two new two-gene Clearfield varieties (Eltan types). There was no stripe rust observed at this location and no fungicide was applied.
4. Test weights averaged 61.0 lbs/bu and ranged from 58.3 to 62.8 lbs/bu. Grain protein at 13.1% averaged higher than in 2013 with a range of 11.5 to 15.0%. Plant height averaged 27 inches and there was no lodging.

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