

2014 WSU Variety Testing SW Winter Wheat Trial, Horse Heaven

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
WA 8169	--	--	36	30	57.0	12.2	24
ORCF-103	--	--	35	30	60.4	12.0	23
WA 8202	--	--		29	60.5	12.4	24
CuriosityCL+ (WA 8143)	--	--	34	29	60.5	11.6	26
<i>Coda</i>	--	--	35	29	61.4	12.8	22
MelaCL+ (WA 8155)	--	--	35	29	60.7	11.6	25
LWW10-1073	--	--		28	58.2	12.8	26
<i>ARS010262-1C</i>	--	--		28	60.3	12.1	24
WA 8170	--	--	36	28	58.3	12.4	26
WA 8201	--	--		28	58.4	12.0	24
ORCF-102	--	--		28	60.4	12.2	25
Otto	--	--	35	28	60.4	11.8	25
IDO1108DH	--	--	35	28	58.4	12.3	27
ARS-Selbu	--	--	32	28	59.7	12.7	25
IDN-02-29001A	--	--		28	60.4	12.2	25
<i>Bruehl</i>	--	--	33	27	59.5	12.0	25
<i>ARS010780-3C</i>	--	--	34	27	60.2	12.4	22
Xerpha	--	--	35	27	59.6	12.1	24
Eltan/Tubbs 06	--	--	34	26	59.6	12.2	24
<i>4J071366-1</i>	--	--		26	60.4	12.5	23
Puma	--	--	34	26	60.0	12.3	27
Eltan	--	--	32	26	61.1	11.8	25
WA 8200	--	--		26	60.7	11.7	24
<i>ARS-Crescent</i>	--	--	33	26	58.8	12.5	21
<i>4J071246-1C</i>	--	--	33	26	59.8	12.0	24
Bobtail	--	--	34	25	56.5	11.4	22
OR2090473	--	--		25	57.1	11.5	21
IDN-02-08806A	--	--		25	60.8	11.9	24
WA 8199	--	--		25	59.0	12.0	27
Rosalyn (OR2071071)	--	--	33	25	56.1	11.9	23
LWW-04-4009	--	--	29	24	60.3	12.9	22
Tubbs 06	--	--	34	24	58.5	12.2	26
Masami	--	--	34	24	59.8	11.7	24
Skiles	--	--	31	24	59.6	13.1	22
Trifecta	--	--	29	23	61.6	12.4	25
Madsen	--	--	31	23	59.8	12.3	24
ARS010729-1L	--	--	32	23	60.0	12.1	23
ARS-Amber	--	--	33	23	59.8	12.0	23
OR2080641	--	--		23	59.7	11.7	24
IDN-04-00405B	--	--		23	58.5	11.8	22
WB-Junction	--	--	29	23	61.1	12.3	22
Kaseberg	--	--	32	22	60.3	11.9	21
<i>ARS010679-1C</i>	--	--		22	59.6	13.3	22
<i>Cara</i>	--	--	30	21	59.0	12.3	22
LWW12-7105	--	--		21	60.1	12.0	22
Stephens	--	--	30	21	59.0	12.3	23
IDN-01-10704A	--	--		21	59.3	11.9	25
LCS-Biancor	--	--		19	60.2	11.3	19

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				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
C.V. %	--	--	9	9	1.0	2.6	5
LSD (.10)	--	--	2	3	0.7	0.3	1
Average	--	--	33	25	59.6	12.1	24
Highest	--	--	36	30	61.6	13.3	27
Lowest	--	--	29	19	56.1	11.3	19

Horse Heaven Soft White Winter Wheat

1. Grain yield in the 2014 Horse Heaven soft white winter wheat trial averaged 25 bushels/acre, well below the 2013 average of 40 bushels/acre. The Horse Heaven nursery was located about twelve miles east-southeast of Prosser, WA (M. Schmidt, cooperator).
2. This nursery was seeded on 3 October, 2013 into dry soil following chem-fallow. Seed was placed at a 50#/acre seeding rate using a deep-furrow plot drill set on 15-inch spacing. Base fertilizer was 30#N/acre spring applied. Fall seeding conditions were dry early and thus this plot was later seeded awaiting fall rainfall. Emergence and stand establishment were good. Because of the delayed seeding and even later emergence, the crop at this location was not as vulnerable to the December cold conditions that contributed to the winter injury on many varieties.
3. Yields ranged from 19 to 30 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 18 of the 48 entries in this trial. The variety 'ORCF-103' was the highest yielding named entry in the trial. There was no stripe rust observed at this location and no fungicide was applied.
4. Test weights averaged 59.6 lbs/bu and ranged from 56.1 to 61.6 lbs/bu. Grain protein averaged much