

## 2014 WSU Variety Testing Hard Winter Wheat Trial, Lamont

Variety Name <i>Hard White Italicized</i>	5 YEAR			3 YEAR			2 YEAR			2014		
	AVERAGE (BU/A)	AVERAGE (BU/A)	AVERAGE (BU/A)	YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING %	SPRING STAND*		
WB-Arrowhead			72	91	62.5	11.6	35	150	0	9		
Boundary	96	87	77	90	61.9	10.7	32	149	0	9		
UI SRG		75	71	88	61.6	11.3	38	150	0	9		
Finley	85	81	74	86	63.4	11.1	41	149	7	9		
Eltan (SWW Check)	83	80	76	80	61.5	11.2	32	154	0	9		
WA 8179			74	78	62.4	11.4	39	150	0	8		
<i>UI Silver</i>	93	80	66	78	63.1	11.0	32	150	0	9		
DAS 1			70	77	60.6	12.4	33	148	0	9		
<i>IDO1101</i>			69	77	62.7	11.1	28	150	0	9		
Keldin			73	76	63.1	12.2	31	150	0	8		
Whetstone			65	75	62.9	11.3	31	149	0	9		
WA 8207				74	61.0	12.1	32	153	0	8		
Farnum	80	75	68	73	60.3	12.2	37	156	0	8		
LCS-Azimut		88	68	73	59.5	10.9	25	149	0	7		
WA 8181			72	72	61.6	12.1	31	155	0	8		
DAS 2			68	72	62.6	12.0	33	149	0	8		
NSA10-7208				71	61.2	12.0	26	152	0	8		
AP503 CL2			63	69	63.8	12.2	29	150	0	8		
WA 8197				69	61.8	11.8	35	156	0	7		
<i>OR2100061H</i>				69	61.9	11.3	29	149	0	7		
WA 8180			64	68	62.0	11.6	38	155	0	8		
Bauermeister	82	73	68	68	61.6	12.0	30	155	0	9		
WA 8208				67	59.6	11.0	33	155	0	7		
WA 8178			62	66	60.9	12.1	35	155	0	8		
IDO816		74	62	65	61.1	12.0	33	152	0	9		
Sprinter	84	76	62	63	61.8	12.9	35	149	0	8		
<i>WA 8158</i>		79	69	62	60.8	13.1	30	157	0	7		
IDO1103			61	61	62.1	12.2	30	150	0	9		
LCS Allezy				60	59.4	11.5	25	152	0	8		
LCS Colonia			66	58	58.9	12.0	27	154	0	7		
LCS Evina				53	59.1	14.0	31	155	0	7		
<i>WA 8184</i>				52	61.7	13.2	27	152	0	5		
<i>OR2080156H</i>	80	76	56	52	60.8	13.4	27	153	0	6		
<i>OR2080236H</i>		88	64	51	60.7	13.4	25	156	0	5		
Norwest 553	89	76	54	47	61.5	13.1	25	152	0	7		
<i>OR2100081H</i>				42	61.7	13.7	27	150	0	5		
C.V. %	15	11	8	8	0.4	3.5	6	1	1039	8		
LSD (.10)	5	5	4	6	0.2	0.4	2	1	2	1		
Average	86	79	67	69	61.5	12.0	31	152	0	8		
Highest	96	88	77	91	63.8	14.0	41	157	7	9		
Lowest	80	73	54	42	58.9	10.7	25	148	0	5		

## Lamont Hard Winter Wheat

1. Grain yield in the 2014 Lamont hard winter wheat trial averaged 69 bushels/acre, less than the five-year average of 85 bushels/acre. The Lamont nursery was located six miles southeast of Lamont, WA (G. White, Cooperator).
2. This nursery was seeded on 9 September, 2013 following fallow. Seed was placed at an 85#/acre seeding rate using a double-disc plot drill set on 6-inch spacing. Base fertilizer was 70#N/acre spring applied. Based on a spring soil test showing 191 #/acre available N, 79#/acre of additional N was applied for hard wheat protein based on expected yields. Fall seeding and emergence were adequate. The crop emerged before fall dormancy and showed some winter damage. 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 ranged from 42 bushels/acre to 91 bushels/acre. 'WB-Arrowhead', was the highest yielding named entry in this trial. 'Boundary' had the highest overall yield across five years. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 4 of the 36 entries. There was no stripe rust observed at this location and no fungicide was applied.
4. Test weights averaged 61.5 lbs/bu and ranged from 58.9 to 63.8 lbs/bu. Grain protein averaged 12.0% with a range of 10.7 to 14.0% and lower than the 13.6% average protein in 2013. Plant height averaged 31 inches with 'Finley' the only variety with lodging at 7%.