

2013 WSU Variety Testing Hard Winter Wheat Trial, Almira

Variety Name <i>*Hard White Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2013						
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE	LODGING (%)	
Eltan (SWW Check)	105	112	123	124	60.2	11.0	44	159	12	
LCS Colonia				123	59.7	11.2	38	159	0	
LCS-Azimut		120	125	121	59.8	10.3	35	153	0	
WA 8119		109	122	120	59.7	9.7	48	158	0	
WA 8181				119	60.8	9.8	46	159	2	
Keldin				117	62.9	11.6	42	153	0	
<i>WA 8159</i>			116	115	59.8	11.4	47	159	0	
Boundary	110	115	117	115	61.3	12.3	43	156	0	
<i>OR2080227H</i>			116	114	62.6	10.9	39	154	0	
NSA06-4663				112	61.4	10.4	36	152	0	
Bauermeister	105	111	117	109	60.6	10.5	45	160	55	
UI SRG		101	102	109	61.8	12.4	50	157	2	
Norwest 553	116	109	123	108	63.0	10.9	35	154	0	
WA 8156			119	108	60.5	10.9	46	159	0	
IDO816			106	107	61.5	11.7	44	158	13	
<i>OR2080229H</i>			108	106	61.6	11.7	40	156	0	
DAS 2				104	62.5	12.1	44	154	0	
DAS 1				102	61.2	12.4	45	153	0	
Sprinter (WA 8118)		93	96	100	60.9	14.4	46	151	0	
WB-Arrowhead				100	62.5	11.8	41	153	0	
<i>WA 8158</i>			100	100	61.3	11.8	45	159	0	
JC1103				99	62.3	12.4	44	158	20	
<i>UI Silver</i>	105	104	107	99	63.5	11.2	42	156	7	
JC1102				99	61.9	12.1	45	158	0	
Whetstone				97	63.3	12.4	42	152	0	
Farnum	90	94	97	96	58.3	13.3	46	161	77	
<i>JC1101</i>				96	62.7	11.8	39	155	0	
WA 8157			113	96	60.1	12.1	38	157	0	
WA 8180				96	61.3	11.0	49	158	35	
<i>OR2080236H</i>			107	94	59.3	11.2	36	160	0	
Genesis				93	60.3	13.4	34	153	0	
AP503CL2				93	64.2	12.5	42	152	0	
WA 8179				89	62.1	11.5	49	156	43	
WA 8178				89	60.0	12.6	46	160	78	
<i>OR2080156H</i>		86	96	89	61.7	12.6	40	158	0	
Finley	87	85	90	89	62.9	12.0	50	156	38	
C.V. %	11	11	9	9	1.0	5.8	4	1	106	
LSD (.10)	5	7	7	9	0.7	0.7	2	1	12	
Average	102	102	110	104	61.4	11.7	43	156	11	
Highest	116	120	125	124	64.2	14.4	50	161	78	
Lowest	87	85	90	89	58.3	9.7	34	151	0	

Almira Hard Winter Wheat – Preliminary Data

1. Grain yield in the 2013 Almira hard winter wheat trial averaged 104 bushels/acre, similar to the 5-year average for this location. The Almira nursery was located about 6 miles north of the town of Almira, WA (D. McKay, Cooperator).
2. This nursery was seeded on 13 September, 2012 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 75#N/acre pre-plant applied. Based on a spring soil test showing 369 lbs./acre available N, no additional N was applied for hard wheat protein based on expected yields. Fall seeding conditions produced good emergence and stand establishment.
3. Yields ranged from 89 to 124 bushels/acre. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 8 of the 36 entries in this trial. 'LCS Colonia' was the highest yielding named hard entry in the trial and 'Norwest 553' was highest yielding in the 5-year average at this site. There was moderate snow mold incidence and stand loss for susceptible varieties at this location. Snow mold damage assessment ranged from 0 to 75% stand damage after spring green-up. The snow mold assessment can be found on a separate table. It is also probable that some plants at this site experienced damaging frost. There was a low amount of stripe rust potential at this location and fungicide was applied once with the herbicide application.
4. Test weights averaged 61.4 lbs./bu and ranged from 58.3 to 64.2 lbs./bu. Grain protein averaged 11.7% with a range of 9.7 to 14.4%. Plant height averaged 43 inches and there was lodging among prone varieties.