

2014 WSU Variety Testing Hard Winter Wheat Trial, Almira

Variety Name <i>Hard White 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*
<i>IDO1101</i>			87	79	58.6	12.8	33	154	9
NSA10-7208				77	56.7	12.5	30	154	9
LCS-Azimut		108	97	73	54.2	12.1	29	153	7
AP503 CL2			83	73	59.4	12.3	34	153	8
WA 8181			95	71	55.3	13.0	37	157	9
Keldin			94	71	58.0	12.9	35	154	8
LCS Allezy				69	55.7	12.6	30	155	8
DAS 1			86	69	55.4	14.1	40	153	9
Eltan (SWW Check)	97	105	96	68	55.0	12.6	35	157	8
WA 8180			82	68	56.5	12.7	41	156	9
WA 8197				67	56.6	13.0	41	157	9
UI SRG		91	88	67	55.9	13.0	40	155	9
Finley	83	82	77	66	58.6	13.8	42	154	9
Bauermeister	97	99	87	64	55.7	12.9	37	156	9
WA 8179			76	64	56.9	12.7	41	155	8
DAS 2			83	61	57.8	13.5	35	153	8
Norwest 553	108	102	85	61	58.2	13.0	30	154	8
WA 8207				61	56.6	13.0	36	157	9
<i>UI Silver</i>	97	92	80	61	58.1	12.7	36	154	9
WA 8178			75	61	56.1	13.6	38	158	9
Farnum	83	85	78	61	55.5	14.5	42	159	9
Boundary	101	98	87	60	57.3	12.5	34	154	8
LCS Colonia			91	59	54.8	12.9	30	155	8
WB-Arrowhead			80	59	57.4	13.1	34	154	8
LCS Evina				59	55.3	14.1	34	156	8
WA 8208				57	53.8	12.6	39	157	9
<i>OR2100061H</i>				55	56.0	12.2	32	153	6
<i>WA 8184</i>				54	56.7	12.2	32	153	7
Whetstone			75	53	57.3	13.6	34	153	8
<i>WA 8158</i>		84	76	52	57.2	13.5	34	155	8
<i>OR2080156H</i>	84	81	70	50	56.3	13.8	32	155	7
Sprinter	88	80	74	49	56.4	14.3	38	153	9
IDO816		87	78	49	55.2	12.7	33	155	9
IDO1103			73	47	56.7	13.7	33	155	9
<i>OR2100081H</i>				47	58.0	13.1	32	154	6
<i>OR2080236H</i>		86	69	44	55.7	13.5	29	157	3
C.V. %	13	10	10	10	0.8	3.6	4	0	6
LSD (.10)	5	5	6	6	0.5	0.5	2	1	1
Average	93	91	82	61	56.5	13.1	35	155	8
Highest	108	108	97	79	59.4	14.5	42	159	9
Lowest	83	80	69	44	53.8	12.1	29	153	3

*Winter Survival Score: 0 (complete plot death) - 9 (full survival)

Almira Hard Winter Wheat

1. Grain yield in the 2014 Almira hard winter wheat trial averaged 61 bushels/acre, much less than the five-year average of 92 bushels/acre. The Almira nursery was located six miles north of Almira, WA (D. McKay, Cooperator).
2. This nursery was seeded on 13 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 80#N/acre. Based on a spring soil test showing 386 #/acre available N, no 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 44 bushels/acre to 79 bushels/acre. 'LCS-Azimut', was the highest yielding named entry in this trial. 'Norwest 553' 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 were low likely due to limited available soil water and averaged 56.5 lbs/bu and ranged from 53.8 to 59.4 lbs/bu. Grain protein averaged 13.1% with a range of 12.1 to 14.5% and higher than the 11.7% average protein in 2013. Plant height averaged 35 inches with no lodging.