

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

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*
WA 8209				86	58.7	14.1	34	164	8
WA 8186			97	78	58.8	12.9	34	163	8
WB-Arrowhead			95	77	59.4	13.4	37	157	8
Keldin			105	77	60.3	13.7	35	157	8
LCS-Azimut		87	90	76	57.2	12.8	30	159	7
<i>OR2100061H</i>				76	58.7	13.1	32	159	6
<i>IDO1101</i>			94	75	60.4	12.7	34	158	8
LCS Allezy				75	57.0	13.5	33	162	5
WB-Rimrock			97	73	59.4	13.6	34	157	8
WA 8210				73	58.5	13.0	35	164	7
Eltan (SWW Check)	105	82	88	72	59.6	12.8	36	164	8
Boundary	104	87	93	71	59.2	13.5	35	161	7
LCS Evina				69	57.5	15.2	37	163	6
LCS Colonia			92	69	57.0	13.0	34	164	7
Bauermeister	100	82	84	68	59.5	12.6	40	165	8
DAS 2			86	67	59.1	14.3	37	157	8
NSA10-7208				67	58.2	13.9	32	160	7
IDO1103			86	67	59.5	13.2	35	160	8
Whetstone			84	66	60.8	14.4	34	155	9
Farnum	88	72	73	65	57.4	13.8	43	166	8
Sprinter (WA 8118)	89	74	80	65	59.0	14.7	40	155	8
AP503 CL2			78	64	61.4	14.1	33	157	7
<i>OR2080156H</i>	90	72	81	62	58.4	15.0	35	163	6
<i>OR2080236H</i>		83	83	62	57.7	14.7	35	165	5
<i>OR2100081H</i>				60	59.8	15.1	35	160	3
Norwest 553	90	72	75	59	60.0	14.6	30	160	6
DAS 1			82	59	57.0	14.5	38	156	9
Genesis			78	59	58.9	13.9	31	156	7
Finley	85	66	68	57	59.7	13.6	43	159	9
SAS W4				57	55.4	14.3	37	167	0
<i>WA 8184</i>			78	56	59.5	14.5	34	159	6
SAS W3				52	55.0	14.5	35	167	1
SAS 4B				52	53.9	15.5	33	165	1
SAS W7	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	0
WA 8189	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	0
WA 8211	-----	-----	-----	Low Stand, No Data	-----	-----	-----	-----	0
C.V. %	9	9	8	12	0.7	2.6	3	1	16
LSD (.10)	4	4	5	8	0.4	0.4	1	1	1
Average	96	78	86	66	58.4	13.9	35	161	6
Highest	105	87	105	86	61.4	15.5	43	167	9
Lowest	85	66	68	52	53.9	12.6	30	155	0

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

## Reardan Hard Winter Wheat

1. Grain yield in the 2014 Reardan hard winter wheat trial averaged 66 bushels/acre, much less than the five-year average of 96 bushels/acre. The Reardan nursery was located seven miles west of Reardan, WA (H. Johnson, Cooperator).
2. This nursery was seeded on 19 September, 2013 following chem-fallow. Seed was placed at an 85#/acre seeding rate using a no-till plot drill set on 12-inch spacing and equipped with cross-slot openers. Base fertilizer was 80#N/acre. Based on a spring soil test showing 244 #/acre available N, 62 #N/acre addition 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 winter damage on several entries. 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 52 bushels/acre to 86 bushels/acre. 'WB-Arrowhead' and 'Keldin', were the highest yielding named entries in this trial. 'Boundary' had the highest overall yield across five years for hard wheat varieties. All yield values within the 10% LSD range of the highest yield are shown in bold and this included 2 of the 36 entries. There was no observed stripe rust at this location and no fungicide was applied.
4. Test weights averaged 58.4 lbs/bu and ranged from 53.9 to 61.4 lbs/bu. Grain protein averaged 13.9% with a range of 12.6 to 15.5% and lower than the 13.5% average protein in 2013. Plant height averaged 35 inches with no lodging.