

2014 WSU Variety Testing Hard Winter Wheat Trial Summary

Precipitation Zone >16"

Variety Name	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
	Dayton	Pullman	Reardan	Walla Walla	Average	Dayton	Pullman	Reardan	Walla Walla	Average	Dayton	Pullman	Reardan	Walla Walla	Average
Hard Red Winter	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
NSA10-7208	55	125	67	135	95	58.7	59.8	58.2	62.3	59.8	14.8	11.4	13.9	11.7	13.0
LCS Colonia	58	117	69	137	95	57.3	56.2	57.0	59.1	57.4	14.0	11.6	13.0	11.4	12.5
WB-Arrowhead	47	110	77	142	94	59.2	61.3	59.4	62.7	60.7	14.4	11.4	13.4	11.5	12.7
Keldin	43	114	77	138	93	58.8	61.3	60.3	63.2	60.9	15.5	11.9	13.7	11.5	13.2
LCS Allezy	43	116	75	123	89	59.1	57.0	57.0	59.9	58.2	14.3	11.4	13.5	11.1	12.6
Norwest 553	48	114	59	134	89	62.4	61.2	60.0	61.9	61.4	15.1	11.9	14.6	12.4	13.5
WA 8209	40	99	86	128	88	60.7	60.4	58.7	61.6	60.4	15.5	12.0	14.1	12.0	13.4
WA 8186	49	101	78	124	88	60.5	59.9	58.8	61.3	60.1	14.0	11.2	12.9	11.6	12.4
WB-Rimrock	47	109	73	118	87	61.1	60.6	59.4	61.1	60.6	14.3	11.6	13.6	11.3	12.7
LCS-Azmut	45	105	76	121	87	55.0	55.2	57.2	59.3	56.7	14.5	11.0	12.8	11.1	12.3
LCS Evina	46	106	69	125	86	59.6	57.1	57.5	61.7	59.0	15.6	13.5	15.2	13.0	14.3
Whetstone	34	103	66	141	86	57.9	61.0	60.8	62.5	60.6	15.4	12.0	14.4	11.9	13.4
DAS 2	40	106	67	112	81	58.4	61.2	59.1	62.8	60.4	16.9	12.3	14.3	12.3	14.0
WA 8210	41	104	73	105	81	60.9	60.7	58.5	60.5	60.2	14.1	11.5	13.0	11.6	12.5
DAS 1	43	111	59	105	80	57.0	60.9	57.0	61.3	59.1	16.1	12.4	14.5	11.9	13.7
Boundary	39	90	71	115	79	60.5	60.0	59.2	61.6	60.3	14.2	11.7	13.5	11.2	12.6
AP503 CL2	30	100	64	112	77	60.4	61.7	61.4	64.8	62.1	14.9	11.6	14.1	11.6	13.0
Genesis	40	106	59	101	76	57.9	59.8	58.9	62.0	59.6	16.4	11.6	13.9	12.1	13.5
IDO1103	34	93	67	111	76	60.4	61.1	59.5	62.3	60.8	15.0	11.7	13.2	12.3	13.1
Bauermeister	45	93	68	92	74	59.5	59.2	59.5	61.2	59.9	14.0	11.6	12.6	11.4	12.4
Sprinter (WA 8118)	27	106	65	98	74	57.4	60.7	59.0	61.6	59.7	16.7	12.8	14.7	13.5	14.4
Farnum	31	97	65	91	71	59.6	58.6	57.4	60.0	58.9	14.7	12.8	13.8	13.7	13.8
Finley	34	98	57	84	68	62.6	62.4	59.7	62.2	61.7	14.8	12.3	13.6	12.2	13.2
Hard White Winter															
OR2100061H	45	110	76	143	93	58.8	59.5	58.7	61.5	59.6	14.3	10.9	13.1	11.0	12.3
IDO1101	56	109	75	122	90	61.3	61.6	60.4	62.5	61.5	13.5	11.3	12.7	11.6	12.3
OR2080236H	47	97	62	146	88	59.9	57.7	57.7	61.5	59.2	14.9	12.3	14.7	11.9	13.4
OR2080156H	55	103	62	127	87	59.7	60.5	58.4	61.7	60.1	15.0	12.5	15.0	12.0	13.6
OR2100081H	47	112	60	126	86	59.4	61.0	59.8	61.4	60.4	15.0	12.0	15.1	11.1	13.3
WA 8184	37	111	56	117	80	58.3	60.3	59.5	60.9	59.7	14.6	11.5	14.5	12.1	13.2
Soft White Winter															
Eltan	47	97	72	117	83	58.6	59.9	59.6	61.5	59.9	13.8	11.2	12.8	11.2	12.3
Facultative															
SAS W3	50	119	52	110	83	57.0	57.3	55.0	60.3	57.4	15.0	11.7	14.5	11.7	13.2
SAS 4B	35	110	52	123	80	58.5	56.2	53.9	59.7	57.1	16.0	12.0	15.5	12.6	14.0
SAS W4	44	99	57	112	78	58.0	54.4	55.4	59.7	56.9	15.3	11.9	14.3	12.0	13.4
SAS W7	49	101	--- ¹	122	--- ²	57.7	58.4	--- ¹	61.2	--- ²	15.3	12.3	--- ¹	11.5	--- ²
WA 8189	37	112	--- ¹	111	--- ²	61.4	62.7	--- ¹	64.3	--- ²	13.8	10.5	--- ¹	11.0	--- ²
WA 8211	31	81	--- ¹	73	--- ²	60.2	61.5	--- ¹	63.0	--- ²	16.8	14.0	--- ¹	14.7	--- ²
C.V. %	15	7	12	10	10	1.0	1.2	0.7	1.1	1.0	3.8	3.4	2.6	3.3	3.3
LSD (0.10)	7	8	8	12	4	0.6	0.7	0.4	0.7	0.3	0.6	0.4	0.4	0.4	0.2
Average	43	105	66	118	83	59.3	59.7	58.4	61.6	59.7	15.0	11.9	13.9	11.9	13.1
Highest	58	125	86	146	95	62.6	62.7	61.4	64.8	62.1	16.9	14.0	15.5	14.7	14.4
Lowest	27	81	52	84	68	55.0	54.4	53.9	59.1	56.7	13.5	10.5	12.6	11.0	12.3

¹ - Low Stand, No Data

² - No Data From One or More Locations

2014 WSU Hard Winter Wheat Trial Summary

Precipitation Zone >16" – Preliminary Data

1. Hard red and white winter wheat grain yield across four 2014 locations and 36 entries in the >16" precipitation zone averaged 83 bushels/acre, 21 bushels/acre lower than the 2013 average of 104 bushels/acre and 15 bushels/acre lower than the 2012 average of 98 bushels/acre. The CV for the average data was 10 and was higher than the 2013 CV value. In general the 2014 trials had good fall establishment, no stripe rust impact, but some overwinter stand loss on some entries at some locations as recorded on individual site summaries.
2. Yields among entries averaged across locations ranged from 68 to 95 bushels/acre and reflected an early, warm year with widespread available water shortage at many locations. The hard red entries 'LCS Colonia', 'WB-Arrowhead', and 'Keldin' were the highest yielding named varieties averaged across locations and were the named varieties in the top 10% LSD range (4 bushels/acre) of the highest yield shown **bolded**.
3. Test weight averaged 59.7 lbs./bu across locations and entries and was similar to last year's 59.5 lbs./bu average. Grain protein averaged 13.1% and was slightly higher than last year's 12.8% value.