

2014 WSU Variety Testing Hard Winter Wheat Trial Summary

Precipitation Zone <12"

Variety Name	Connell	Horse Heaven	Lind	Ritzville	Average	Connell	Horse Heaven	Lind	Ritzville	Average	Connell	Horse Heaven	Lind	Ritzville	Average
Hard Red Winter	Yield (Bu/A)					Test Wt (Lbs/Bu)					Protein (%)				
Boundary	26	28	34	67	39	61.7	61.1	64.8	61.8	62.4	13.3	12.4	12.4	8.3	11.6
WB-Arrowhead	30	28	28	65	38	62.0	64.7	65.5	64.1	64.1	13.6	12.0	13.7	9.0	12.1
UI SRG	24	26	31	64	36	63.2	62.5	65.2	62.0	63.2	13.8	12.3	14.0	8.8	12.2
IDO816	29	25	31	56	35	62.9	63.3	64.9	61.6	63.2	13.1	11.9	13.4	9.3	11.9
WA 8179	28	27	28	57	35	61.1	62.5	65.7	62.5	62.9	12.8	12.5	13.3	9.7	12.1
WA 8181	25	27	27	60	35	60.8	62.2	64.2	60.9	62.0	12.7	12.4	12.9	8.2	11.5
Finley	34	27	24	55	35	62.7	64.7	66.5	63.6	64.4	12.9	12.1	13.8	9.2	12.0
Keldin	30	24	23	61	35	62.3	64.1	65.1	63.1	63.6	12.7	12.1	14.6	9.8	12.3
Farnum	28	26	31	53	35	59.7	60.0	63.0	60.6	60.8	13.5	13.1	13.4	9.4	12.3
Whetstone	27	25	28	58	34	62.0	62.9	65.5	62.7	63.3	13.6	12.6	13.8	9.1	12.3
DAS 1	27	24	26	59	34	60.0	60.2	63.1	61.4	61.2	14.2	13.0	13.8	8.9	12.5
WA 8178	27	26	30	52	34	63.3	61.6	64.0	60.6	62.4	13.1	13.0	13.1	9.9	12.3
IDO1103	24	25	26	58	33	62.8	64.2	65.1	63.0	63.8	13.9	12.2	13.6	9.8	12.4
WA 8207	24	22	31	54	33	61.0	61.1	63.7	61.1	61.7	12.8	12.4	12.8	8.6	11.7
AP503 CL2	22	21	25	63	33	65.5	64.7	66.3	64.0	65.2	13.5	12.8	14.6	9.5	12.6
WA 8197	27	24	25	51	32	62.5	64.0	64.6	61.6	63.2	12.9	12.3	12.9	8.6	11.7
LCS-Azimut	26	21	23	56	32	60.4	60.9	63.7	59.5	61.1	12.3	11.6	12.6	8.9	11.4
WA 8180	26	27	21	50	31	63.7	64.0	64.9	61.9	63.6	12.6	11.8	12.9	9.8	11.8
Bauermeister	24	23	24	51	30	61.3	63.2	64.2	61.4	62.5	12.4	11.8	12.9	8.6	11.5
DAS 2	25	24	21	44	28	60.9	62.7	64.6	62.8	62.8	14.0	13.2	14.3	9.5	12.7
NSA10-7208	30	23	20	41	28	60.3	61.8	63.6	60.4	61.5	13.2	12.7	13.4	9.5	12.2
Sprinter (WA 8118)	25	23	23	42	28	60.9	61.5	64.7	61.8	62.2	14.3	13.6	14.7	10.1	13.2
WA 8208	21	24	21	46	28	59.8	58.1	60.6	59.2	59.4	12.6	12.1	12.8	9.7	11.8
LCS Colonia	24	25	17	41	27	59.8	59.7	59.5	60.0	59.8	12.6	11.8	12.9	10.5	11.9
LCS Evina	17	21	---1	---1	---2	60.9	59.7	---1	---1	---2	14.7	13.8	---1	---1	---2
LCS Allezy	---1	19	---1	---1	---2	---1	59.1	---1	---1	---2	---1	13.1	---1	---1	---2
Norwest 553	---1	17	---1	---1	---2	---1	64.0	---1	---1	---2	---1	13.5	---1	---1	---2
Hard White Winter															
WA 8158	29	26	30	60	36	62.2	63.5	64.1	62.2	63.0	13.4	12.9	14.1	10.2	12.7
IDO1101	28	29	25	60	35	63.7	64.9	66.0	63.3	64.5	13.1	11.9	13.5	8.5	11.8
UI Silver	29	25	29	57	35	62.6	64.2	66.3	62.7	64.0	12.9	12.2	12.9	8.6	11.6
OR2100061H	23	24	21	44	28	61.7	62.5	64.9	62.2	62.8	12.3	11.9	12.9	9.5	11.7
WA 8184	20	21	---1	38	---2	63.3	63.3	---1	61.7	---2	13.6	12.7	---1	11.9	---2
OR2080156H	19	23	---1	35	---2	63.3	63.4	---1	61.8	---2	15.0	13.4	---1	10.4	---2
OR2080236H	---1	19	---1	---1	---2	---1	61.3	---1	---1	---2	---1	13.0	---1	---1	---2
OR2100081H	---1	19	---1	---1	---2	---1	63.7	---1	---1	---2	---1	13.6	---1	---1	---2
Soft White Winter															
Eltan	35	28	34	64	41	61.5	62.2	64.6	60.5	62.2	11.9	11.9	11.6	7.7	10.8
C.V. %	14	10	14	9	11	2.1	1.3	1.3	0.9	1.5	4.0	2.9	2.3	9.0	4.5
LSD (0.10)	4	2	3	5	2	1.4	0.9	0.9	0.6	0.5	0.6	0.4	0.3	0.9	0.3
Average	26	24	26	54	33	61.9	62.4	64.4	61.7	62.6	13.2	12.5	13.7	9.6	12.0
Highest	35	29	34	67	41	65.5	64.9	66.5	64.1	65.2	15.0	13.8	14.7	11.9	13.2
Lowest	17	17	17	35	27	59.7	58.1	59.5	59.2	59.4	11.9	11.6	11.6	7.7	10.8

¹ - Variety Lost, No Data

² - 5 locations, Excludes St. Andrews Data

2014 WSU Hard Winter Wheat Trial Summary

Precipitation Zone <12" – Preliminary Data

1. Hard red and white winter wheat grain yield across five locations and 48 entries in the <12" precipitation zone averaged 33 bushels/acre, nine bushels/acre lower than the 2013 average of 42 bushels/acre. The CV for the average data was 11, similar to the 2013 CV value. Crop emergence in the 2014 trials was poor at St. Andrews and reduced for some entries at Lind by crusting, over-winter some varieties were affected by winter stand losses. This precluded further data acquisition at St. Andrews. Careful interpretation of results is needed for this data set with those limitations.

2. Yields among entries across five locations ranged from 27 to 41 bushels/acre and reflected the below average growing season. 'Boundary', and 'WB-Arrowhead' were the highest yielding named varieties averaged across locations. Stripe rust was not a factor in these trials.

3. Test weight averaged 62.6 lbs./bu across locations and entries and was higher than last year's 60.6 lbs./bu average. Grain protein averaged 12.0%, lower than last year's 12.9% value.