2013 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone 16-20"

Variety Name	Yield (Bu/A)						Test Wt (Lbs/Bu)						Protein (%)					
	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average	Dayton	Mayview	Reardan	St. John	Walla Walla	Average
Hard Red Spring																		
Glee (WA 8074)	44	58	86	66	109	**72**	60.9	61.1	60.0	60.3	62.2	60.9	14.6	11.9	14.5	14.4	13.0	13.7
Glee-0W	49	57	83	63	110	**72**	60.8	61.0	59.8	61.0	62.2	61.0	14.4	12.2	14.7	13.4	13.2	13.6
Glee-G2	46	59	86	61	110	**72**	61.2	60.8	59.9	60.9	61.9	61.0	14.1	12.7	14.6	12.7	13.3	13.5
Bullseye	40	56	82	64	107	**70**	62.1	62.5	60.4	61.9	63.1	**62.0**	15.5	12.2	14.7	13.9	13.7	14.0
LCS-Buck Pronto	46	53	81	61	100	68	60.4	60.5	59.6	60.1	61.4	60.4	14.9	13.5	14.9	14.0	13.8	14.2
Kelse	44	54	80	61	101	68	60.3	61.2	59.2	60.8	61.2	60.6	15.2	14.1	15.4	13.9	14.5	**14.6**
Scarlet	45	56	81	55	101	68	58.8	59.5	57.2	59.1	60.5	59.0	15.1	12.6	14.5	12.5	13.7	13.7
Jefferson	44	54	83	58	100	68	60.4	60.5	59.8	60.0	61.7	60.5	14.9	12.2	14.9	13.9	13.8	14.0
WA 8166	44	56	79	59	97	67	60.4	61.3	58.9	60.6	62.1	60.7	15.1	12.4	14.8	12.8	14.4	13.9
WA 8165	45	54	75	62	98	67	60.6	61.9	60.0	61.5	62.6	61.3	15.9	13.4	15.6	14.1	15.3	**14.9**
WA 8191	44	51	76	56	105	67	60.6	60.6	59.1	60.0	62.3	60.5	13.7	11.3	13.8	12.9	12.2	12.8
Lassik	45	53	78	59	97	66	61.0	61.4	59.4	60.8	61.7	60.9	14.1	12.6	14.1	13.2	13.0	13.4
UI-Winchester	44	50	80	55	99	66	60.8	60.6	59.3	60.5	61.8	60.6	14.5	13.4	14.2	13.9	13.3	13.8
LNR10-0551	44	50	80	54	97	65	61.2	61.9	60.9	61.5	62.5	61.6	15.0	13.9	13.6	14.3	13.0	14.0
Hollis	39	50	78	58	99	65	59.4	60.0	59.0	59.5	61.5	59.9	16.0	14.2	15.6	12.4	14.5	14.5
SY605 CL	43	54	80	52	94	64	61.4	62.1	60.3	61.6	62.7	61.6	16.0	12.8	15.2	14.0	15.0	**14.6**
IDO862T	42	48	77	51	102	64	60.7	60.5	60.5	60.4	61.9	60.8	15.3	14.2	14.7	15.0	14.0	**14.6**
11SB0096	40	50	81	56	90	64	59.3	60.1	58.1	58.6	60.9	59.4	13.9	12.8	13.6	13.1	13.3	13.3
WA 8164	42	48	73	52	97	62	60.6	61.1	59.6	60.3	61.0	60.5	15.4	14.0	15.2	13.9	14.2	**14.6**
IDO862E	41	48	75	48	99	62	60.7	60.6	59.9	60.5	62.2	60.8	15.3	13.7	14.6	15.0	14.0	14.5
Tara 2002	37	53	71	52	96	62	59.6	61.0	60.1	60.4	61.7	60.6	14.8	13.4	14.7	14.1	13.7	14.2
WB9879CLP	38	50	76	48	95	61	59.6	60.1	58.8	59.9	61.7	60.0	16.2	13.4	15.1	14.7	15.3	**14.9**
WA 8190	44	45	70	45	94	60	58.6	58.7	56.9	58.8	59.2	58.5	14.8	13.8	15.3	13.9	14.0	14.4
Hard White Spring																		
BR7030	48	59	79	66	105	**71**	60.6	61.9	59.5	60.8	61.9	61.0	14.1	12.9	13.7	13.1	12.5	13.3
WB Hartline	47	56	81	62	107	**70**	59.6	59.8	57.4	59.2	59.9	59.2	14.5	11.6	15.0	12.6	13.9	13.5
COI565W	48	58	79	63	102	**70**	59.5	60.6	59.5	59.8	61.9	60.2	15.4	12.5	14.4	14.4	13.5	14.0
Otis	49	55	80	58	103	69	60.7	61.1	59.0	60.8	61.6	60.6	14.2	12.2	13.7	12.7	13.1	13.2
AUBR31059W (Roydon)	45	55	84	56	105	69	60.8	61.4	60.6	60.6	62.5	61.2	14.7	12.3	14.0	14.2	12.6	13.6
Dayn (WA 8123)	42	57	81	59	104	69	60.4	61.4	58.8	60.5	61.6	60.6	14.9	12.8	14.1	12.4	13.5	13.5
IDO1202S	45	52	81	61	102	68	60.7	61.7	60.1	61.2	61.8	61.1	14.6	13.6	14.2	13.3	13.7	13.9
WA 8192	45	52	89	55	100	68	60.4	61.0	59.2	60.8	61.2	60.5	13.3	11.7	13.1	12.8	12.8	12.7
CHBR1481W (Rexon)	40	52	76	65	106	68	59.9	60.6	59.7	60.6	62.0	60.6	14.7	12.9	14.0	13.2	12.8	13.5
WA 8163	46	56	74	57	94	66	60.6	62.0	59.3	61.4	61.4	60.9	14.9	12.4	14.5	12.2	14.4	13.7
IDO694C	39	51	75	54	102	64	61.7	62.2	61.1	61.1	62.4	61.7	13.7	14.0	14.1	14.8	12.9	13.9
08SB0658-B	39	50	76	56	97	64	59.9	59.3	57.2	59.8	60.8	59.4	13.8	13.3	14.1	13.1	13.3	13.5
Patwin 515	39	50	75	50	89	61	58.9	59.7	57.3	58.4	58.7	58.6	14.8	13.7	14.7	13.6	14.2	14.2
C.V. %	7	4	6	8	5	6	0.5	0.7	1.1	0.8	0.4	0.8	2.2	5.4	1.5	7.5	1.4	4.2
LSD (0.10)	3	2	5	5	5	2	0.3	0.5	0.7	0.5	0.3	0.2	0.3	0.7	0.2	1.1	0.2	0.3
Average	43	53	79	57	100	67	60.4	60.9	59.3	60.4	61.6	60.5	14.8	13.0	14.5	13.6	13.6	13.9
Highest	49	59	89	66	110	72	62.1	62.5	61.1	61.9	63.1	62.0	16.2	14.2	15.6	15.0	15.3	14.9
Lowest	37	45	70	45	89	60	58.6	58.7	56.9	58.4	58.7	58.5	13.3	11.3	13.1	12.2	12.2	12.7

2013 WSU Hard Spring Wheat Trial Summary
Precipitation Zone 16-20" – *Preliminary Data*

1. Hard red and white spring wheat grain yield across five locations and 36 entries in the 16-20" precipitation zone averaged 67 bushels/acre and is higher than the 2012 average of 55 bushels/acre. The CV for the average data is 6, lower than the 2012 CV.
2. Yields among entries averaged across locations ranged from 60 to 72 bushels/acre. 'Glee', Glee-0W, and Glee G2 were the highest yielding hard red entries and 'BR7030' was the highest yielding named hard white entry averaged across locations. Glee-G2 is Glee with 2oz/100lbs seed of Gaucho® insecticide seed treatment targeting wireworms, Glee is the standard seed treatment rate (0.75oz./100lbs. seed) and Glee-0W has no insecticide seed treatment. There were no significant differences among the Glee insecticide treatments. Average yield values within the 10% LSD range (2 bushel/acre) of the highest yield are shown in bold and this included 7 of the 36 entries. Stripe rust was not a factor in these trials.
3. Test weight averaged 60.5 lbs/bu across locations and entries and was lower than last year's 60.8 lbs/bu average. Grain protein averaged 13.9% and was higher than last year's 13.0% protein value.