

2011 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone 16-20"

Variety Name	Yield (Bu/A)						Test Weight (Lbs/A)						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	Yield (Bu/A)						Test Weight (Lbs/A)						Protein (%)					
Lassik	92	55	85	68	66	73	63.1	62.6	62.2	62.4	57.6	61.6	12.4	8.7	12.5	12.4	14.8	12.1
WA 8074	88	53	80	64	69	71	62.9	62.1	62.0	62.3	56.9	61.3	12.7	8.8	12.7	11.9	15.3	12.3
Scarlet	91	51	71	67	68	70	62.0	61.5	60.8	61.7	58.0	60.8	13.1	8.9	13.2	12.1	15.3	12.5
Kelse	90	51	67	59	67	67	63.0	62.5	61.7	62.3	58.5	61.6	14.0	10.1	13.4	12.2	16.5	13.3
Buck Pronto	85	53	67	63	66	67	62.3	62.0	61.3	61.8	57.5	61.0	14.9	10.6	14.7	13.0	16.9	14.0
Bullseye	87	46	65	57	69	65	64.5	63.7	63.0	63.4	60.7	63.1	12.7	8.5	12.5	11.1	15.0	12.0
UI Winchester	83	50	70	60	64	65	63.1	62.1	62.1	62.2	57.6	61.4	13.0	8.3	12.5	11.8	15.3	12.2
10Fx Inc.1	84	49	69	52	62	63	64.1	62.0	62.8	62.2	57.8	61.8	13.4	9.0	12.3	11.7	15.6	12.4
Jefferson	82	47	69	55	63	63	62.5	61.3	61.5	61.1	58.1	60.9	13.9	9.4	13.1	11.9	15.8	12.8
Hollis	79	47	69	56	60	62	62.0	61.1	61.2	61.6	58.1	60.8	14.4	9.1	13.3	13.4	16.8	13.4
Tara 2002	79	50	64	51	66	62	62.6	61.9	60.9	60.2	57.7	60.7	13.1	8.2	13.3	12.3	14.9	12.4
WB-Fuzion	84	46	64	52	63	62	61.9	61.2	61.4	60.8	57.4	60.5	14.1	8.9	13.4	12.2	16.9	13.1
WA 8148	76	48	70	54	64	62	61.7	61.4	60.6	61.3	56.4	60.3	13.3	9.3	12.9	13.0	16.4	13.0
Westbred 926	80	47	67	50	65	62	61.6	61.0	60.3	60.5	56.6	60.0	13.6	10.2	13.2	12.2	15.9	13.0
Cerere	86	46	64	53	57	61	61.7	61.6	61.1	60.8	59.6	61.0	12.6	8.3	11.4	10.8	15.0	11.6
IDO702	83	47	63	46	60	60	61.3	60.6	60.0	59.0	56.1	59.4	13.7	9.2	13.3	12.1	16.0	12.9
Hank	79	43	56	36	60	55	61.6	60.1	59.7	58.1	56.8	59.3	13.2	8.8	12.8	12.5	15.4	12.5
Hard White Spring	Yield (Bu/A)						Test Weight (Lbs/A)						Protein (%)					
WA 8123	95	50	82	68	72	74	63.2	63.3	62.5	62.5	59.2	62.1	12.6	9.1	12.4	12.0	14.9	12.2
BR7030	97	55	79	54	69	71	63.6	63.4	62.7	62.6	57.1	61.9	12.2	8.8	12.2	11.7	15.1	12.0
WA 8133	88	49	80	62	68	70	63.8	63.1	63.2	62.7	58.6	62.3	12.1	9.1	12.3	12.0	14.0	11.9
Patwin 515	85	52	71	62	63	67	62.0	62.0	60.4	61.1	55.3	60.2	13.3	9.5	13.5	13.3	15.8	13.1
Macon	91	53	64	53	64	65	62.3	61.7	61.1	61.0	56.5	60.5	11.8	8.1	11.5	10.7	15.0	11.4
Clear White 515	80	52	67	63	63	65	62.1	61.3	60.6	60.8	56.2	60.2	12.8	9.7	13.6	12.9	15.0	12.8
Otis	93	45	65	48	64	63	62.8	62.0	62.6	61.8	60.2	61.9	12.0	8.6	10.9	10.1	14.3	11.2
CV (%)	5	7	4	12	6	7	0.4	0.4	0.5	1.0	1.0	0.7	1.8	8.2	2.7	5.3	3.2	4.2
LSD (0.10)	5	4	3	7	8	2	0.3	0.3	0.3	0.6	1.2	0.2	0.2	0.8	0.4	0.7	1.0	0.2
Average	86	49	70	56	65	65	62.6	61.9	61.5	61.4	57.7	61.0	13.1	9.1	12.8	12.1	15.5	12.5
Highest	97	55	85	68	72	74	64.5	63.7	63.2	63.4	60.7	63.1	14.9	10.6	14.7	13.4	16.9	14.0
Lowest	76	43	56	36	57	55	61.3	60.1	59.7	58.1	55.3	59.3	11.8	8.1	10.9	10.1	14.0	11.2

2011 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 24 entries in the 16-20" precipitation zone averaged 65 bushels/acre that is higher than the average in the >20" zone and 8 bushels/acre higher than the 2010 average of 57 bushels/acre. The CV for the average data is 7, lower than the 2010 CV. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 55 to 74 bushels/acre. Lassik was the highest yielding named entry averaged across locations. Average yield values within the 10% LSD range (2 bushels/acre) of the highest yield are shown in bold and this included 2 of the 24 entries. Stripe rust was a factor at all locations and influenced yield rankings based on susceptibility. The number of fungicide applications made on these trials and stripe rust yield impacts in percent are: 2 applications and 10% impact at Dayton, 2 and minimal at Mayview, 0 and 25% at Reardan, 0 and 25% at St. John, and 2 and minimal at Walla Walla.
3. Test weight averaged 61.0 lb/bu across locations and entries and was higher than last year's 54.7 lb/bu average. Grain protein averaged 12.5% and was lower than last year's 14.5% protein value.