

2011 WSU Variety Testing Hard Spring Wheat Trial Summary

Precipitation Zone 12-16"

Variety Name	Yield (Bu/A)				Test Weight (Lbs/A)				Protein (%)			
	Almira	Endicott	Lamont	Average	Almira	Endicott	Lamont	Average	Almira	Endicott	Lamont	Average
Hard Red Spring												
Lassik	70	54	75	66	61.4	62.3	61.8	61.9	10.6	12.5	11.9	11.7
WA 8074	73	51	68	64	60.9	61.5	61.8	61.4	10.5	12.7	10.9	11.4
Scarlet	64	50	71	62	60.0	60.9	61.1	60.7	11.4	12.8	11.7	12.0
WA 8148	68	48	65	61	60.7	60.8	61.1	60.9	11.1	13.5	11.8	12.1
Kelse	62	49	67	60	60.9	61.9	61.7	61.5	12.0	13.5	11.4	12.3
Jefferson	69	47	64	60	61.0	61.1	61.0	61.0	11.4	13.5	10.7	11.9
10Fx Inc.1	63	49	65	59	61.0	62.4	62.2	61.9	10.8	12.7	10.9	11.5
Hollis	67	48	62	59	60.6	60.8	60.6	60.7	12.1	13.3	13.5	13.0
UI Winchester	64	47	66	59	59.6	60.6	61.8	60.7	11.5	12.6	10.8	11.6
Bullseye	63	45	66	58	63.2	63.4	63.1	63.2	11.0	12.5	10.4	11.3
Buck Pronto	67	43	65	58	61.7	60.8	61.3	61.3	12.1	14.1	12.6	12.9
Tara 2002	64	44	65	58	59.8	61.3	61.1	60.7	11.4	13.1	11.2	11.9
WB-Fuzion	69	43	59	57	61.9	60.4	60.6	61.0	11.1	13.1	11.5	11.9
Westbred 926	60	47	62	56	59.9	60.3	60.0	60.1	11.7	13.6	11.9	12.4
IDO702	60	46	62	56	59.6	60.0	60.1	59.9	11.1	13.2	11.3	11.9
Cerere	55	48	59	54	60.2	61.1	60.2	60.5	10.5	12.8	10.1	11.2
Hank	61	41	54	52	58.5	59.1	58.8	58.8	11.5	12.8	10.7	11.7
Hard White Spring												
WA 8123	78	52	77	69	61.8	61.9	61.8	61.8	11.3	12.4	10.8	11.5
BR7030	68	53	77	66	61.8	62.6	62.4	62.3	10.7	12.5	11.3	11.5
WA 8133	72	50	70	64	61.3	61.0	62.2	61.5	11.5	12.5	11.4	11.8
Patwin 515	68	46	68	61	60.9	61.0	60.7	60.9	11.6	13.6	12.5	12.6
Clear White 515	69	45	69	61	59.2	60.4	60.8	60.2	11.5	13.2	12.0	12.2
Macon	64	46	70	60	61.1	60.2	60.8	60.7	10.0	11.7	10.5	10.7
Otis	63	44	64	57	62.0	62.3	61.2	61.8	10.0	11.9	10.2	10.7
CV (%)	7	5	5	6	1.3	1.0	0.4	1.0	5.8	2.3	6.8	5.1
LSD (0.10)	5	5	3	2	0.8	1.3	0.2	0.4	0.7	0.6	0.8	0.4
Average	66	48	66	60	60.8	61.2	61.2	61.0	11.2	12.9	11.3	11.8
Highest	78	54	77	69	63.2	63.4	63.1	63.2	12.1	14.1	13.5	13.0
Lowest	55	41	54	52	58.5	59.1	58.8	58.8	10.0	11.7	10.1	10.7

2011 WSU Hard Spring Wheat Trial Summary

Precipitation Zone 12-16" – Preliminary Data

1. Hard red and white spring wheat grain yield across three locations and 24 entries in the 12-16" precipitation zone averaged 65 bushels/acre that is higher than the average in the >20" zone and 10 bushels/acre higher than the 2010 average of 55 bushels/acre. The CV for the average data is 6, lower than the 2010 CV. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 52 to 69 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 1 of the 24 entries. Stripe rust significantly reduced yields at these locations and influenced yield rankings based on susceptibility. No fungicide applications were made on these trials and stripe rust yield impacts in percent are: 20% impact at Almira, 10% at Endicott, and 20% at Lamont.
3. Test weight averaged 61.0 lb/bu across locations and entries and was higher than last year's 57.9 lb/bu average. Grain protein averaged 11.8% and was lower than last year's 14.6% protein value.