

2011 WSU Variety Testing Soft White Spring Wheat Trial Summary

Precipitation Zone <12"

Variety Name (Club <i>Italicized</i>)	Yield (Bu/A)					Test Weight (Lbs/A)					Protein (%)				
	Bickleton	Connell	Horse Heaven	Lind	Average	Bickleton	Connell	Horse Heaven	Lind	Average	Bickleton	Connell	Horse Heaven	Lind	Average
<i>JD</i>	32	25	47	44	37	62.0	62.7	62.2	61.9	62.2	11.7	12.9	10.2	12.4	11.8
<i>Diva</i>	30	29	40	43	35	61.6	62.3	61.0	61.3	61.6	10.5	12.8	9.6	12.1	11.3
<i>Louise-G2</i>	28	29	40	42	35	60.9	62.0	60.9	60.8	61.1	10.7	12.6	9.8	11.8	11.2
<i>Wakanz</i>	30	30	36	42	35	59.1	60.4	58.9	59.6	59.5	11.3	12.9	10.2	12.2	11.6
<i>Louise</i>	24	29	40	41	33	60.6	61.7	60.7	61.4	61.1	10.7	12.7	9.7	12.0	11.3
<i>WA 8131</i>	22	30	36	43	33	59.4	61.6	60.5	60.1	60.4	11.1	12.8	10.4	13.1	11.9
<i>Babe</i>	26	27	38	40	32	61.8	62.1	59.5	61.2	61.2	10.9	12.6	9.5	11.6	11.2
<i>IDO687</i>	25	27	33	39	31	60.7	62.2	61.7	61.3	61.5	10.4	12.8	9.7	12.6	11.4
<i>WA 8124</i>	19	26	36	42	31	60.3	61.7	60.6	61.0	60.9	10.8	13.1	9.5	12.7	11.5
<i>Whit</i>	24	25	38	37	31	60.9	61.3	59.9	60.0	60.5	10.5	12.8	9.9	12.0	11.3
<i>WA 8128</i>	21	22	38	39	30	61.6	61.4	61.8	61.0	61.5	11.6	13.9	10.5	13.0	12.2
<i>WA 8127</i>	18	25	37	39	30	60.8	61.5	61.0	61.5	61.2	11.6	13.2	9.9	12.1	11.7
<i>WA 8149</i>	20	23	35	42	30	60.5	60.8	59.8	61.1	60.5	11.4	12.7	9.3	11.7	11.3
<i>Alturas</i>	26	24	32	37	30	60.0	60.9	59.2	59.5	59.9	11.0	12.4	9.8	12.4	11.4
<i>IDO644</i>	23	26	33	39	30	58.9	61.0	59.8	59.0	59.7	10.9	12.7	9.4	12.1	11.3
<i>Eden</i>	21	23	37	40	30	61.7	62.7	60.7	62.0	61.7	11.4	12.2	9.6	11.5	11.2
<i>IDO686</i>	19	23	35	40	29	61.2	62.1	61.2	61.0	61.4	10.9	12.4	9.9	12.2	11.4
<i>Alpowa</i>	24	23	33	37	29	58.5	61.4	60.7	61.2	60.4	10.8	12.8	9.3	11.5	11.1
<i>Zak</i>	23	27	31	32	28	61.3	61.2	59.9	59.9	60.6	12.1	13.4	10.0	13.5	12.3
<i>IDO671</i>	17	23	34	39	28	59.7	61.2	60.0	60.3	60.3	10.5	12.4	9.6	12.0	11.1
<i>Nick</i>	16	26	34	36	28	59.8	61.8	58.9	59.5	60.0	11.3	13.4	10.0	12.4	11.8
<i>WA 8150</i>	20	19	31	39	27	60.6	61.9	60.8	62.1	61.3	10.5	12.4	8.9	11.4	10.8
<i>UI-Cataldo</i>	27	21	26	35	27	59.2	60.6	58.9	58.4	59.3	11.1	13.1	10.4	12.6	11.8
<i>WB-1035CL2</i>	17	25	26	35	26	58.5	61.6	58.8	58.5	59.4	12.0	14.6	10.9	13.3	12.7
CV (%)	29	10	8	3	13	1.8	0.5	0.9	0.8	1.1	4.9	1.9	3.7	2.1	3.2
LSD (0.10) N.S. ¹	3	5	2	2	2	1.2	0.3	0.7	0.7	0.4	0.6	0.3	0.5	0.5	0.2
Average	23	25	35	39	31	60.4	61.6	60.3	60.6	60.7	11.1	12.9	9.8	12.3	11.5
Highest	32	31	47	44	37	62.0	62.7	62.2	62.1	62.2	12.1	14.6	10.9	13.5	12.7
Lowest	16	19	26	32	26	58.5	60.4	58.8	58.4	59.3	10.4	12.2	8.9	11.4	10.8

¹ - No Significant Differences

2011 WSU Soft White Spring Wheat Trial Summary

Precipitation Zone <12" – Preliminary Data

1. Soft white spring wheat grain yield across four locations and 24 entries in the <12 precipitation zone averaged 31 bushels/acre and is 10 bushels/acre lower than the 2010 average of 41 bushels/acre. The CV for the average data is 13, higher than the 2010 CV.
2. Yields among entries averaged across locations ranged from 26 to 37 bushels/acre. JD was the highest yielding 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 4 of the 24 entries. Stripe rust was a factor at most locations and influenced yield rankings based on susceptibility. The only fungicide application made on these trials was one at Connell and stripe rust yield impacts in percent are: minimal impact at Bickleton, minimal at Connell, 20% at Horse Heaven, and 20% at Lind.
3. Test weight averaged 60.7 lb/bu across locations and entries and was higher than last year's 59.0 lb/bu average. Grain protein averaged 11.5% and was lower than last year's 12.0% protein value.