

# 2011 WSU Variety Testing Soft White Spring Wheat Trial Summary

## Precipitation Zone >20"

Variety Name (Club <i>Italicized</i> )	Yield (Bu/A)				Test Weight (Lbs/A)				Protein (%)			
	Fairfield	Farmington	Pullman	Average	Fairfield	Farmington	Pullman	Average	Fairfield	Farmington	Pullman	Average
Louise-G2	59	74	74	<b>69</b>	61.2	61.4	61.6	61.4	9.9	9.5	7.4	8.9
Diva	53	70	77	<b>67</b>	61.8	61.5	62.2	61.9	10.1	9.4	8.7	9.4
Louise	55	74	73	<b>67</b>	61.3	61.5	61.9	61.6	10.1	9.4	8.0	9.2
<i>JD</i>	58	64	79	<b>67</b>	62.7	61.8	62.9	<b>62.5</b>	10.2	9.9	8.1	9.4
Whit	62	66	65	64	60.8	61.1	61.5	61.1	9.4	10.0	7.2	8.9
WA 8124	45	66	75	62	61.2	61.0	62.0	61.4	10.0	9.7	7.1	8.9
Babe	58	67	62	62	60.6	61.5	61.9	61.3	8.9	9.4	8.0	8.8
WA 8128	49	59	76	61	61.9	61.5	63.0	62.2	10.4	10.8	8.4	9.9
WA 8127	47	63	69	60	61.2	61.6	62.4	61.7	10.4	9.9	8.2	9.5
<i>WA 8131</i>	52	61	66	60	61.0	60.3	62.1	61.2	10.7	10.0	8.9	9.9
IDO687	54	55	67	59	61.7	61.7	62.8	62.1	9.5	9.4	7.7	8.9
<i>Eden</i>	45	64	66	59	62.4	61.6	61.8	62.0	10.6	9.8	7.5	9.3
IDO686	48	59	67	58	62.3	62.1	62.6	<b>62.3</b>	9.9	9.6	7.8	9.1
Alturas	52	53	70	58	60.4	60.2	61.7	60.8	9.5	9.2	8.5	9.1
Wakanz	47	60	67	58	59.4	59.9	61.5	60.3	10.6	10.0	8.0	9.6
WA 8150	40	62	68	57	61.5	61.7	62.2	61.8	10.1	10.1	7.4	9.2
IDO671	49	63	61	57	60.7	61.0	61.6	61.1	9.6	8.9	8.0	8.8
IDO644	53	56	63	57	59.7	59.9	60.7	60.1	9.1	9.2	6.9	8.4
Alpowa	45	58	61	55	60.3	61.6	62.6	61.5	9.2	9.0	7.2	8.4
WA 8149	43	55	67	55	59.7	59.7	61.1	60.2	9.6	9.4	7.2	8.7
Zak	44	59	58	54	60.5	60.8	62.0	61.1	10.4	10.1	8.5	9.7
UI-Cataldo	43	54	55	51	60.2	60.3	61.1	60.6	9.9	9.6	8.9	9.5
WB-1035CL2	42	56	45	48	59.6	61.5	61.5	60.8	11.1	10.5	9.6	<b>10.4</b>
Nick	46	51	45	47	60.0	61.4	60.6	60.6	9.5	10.2	7.9	9.2
<b>CV (%)</b>	9	7	8	8	0.6	0.5	0.8	0.6	2.4	4.7	8.1	5.2
<b>LSD (0.10)</b>	5	5	6	3	0.4	0.4	0.5	0.2	0.2	0.5	0.7	0.3
<b>Average</b>	50	61	66	59	60.9	61.1	61.9	61.3	9.9	9.7	8.0	9.2
<b>Highest</b>	62	74	79	69	62.7	62.1	63.0	62.5	11.1	10.8	9.6	10.4
<b>Lowest</b>	40	51	45	47	59.4	59.7	60.6	60.1	8.9	8.9	6.9	8.4

## 2011 WSU Soft White Spring Wheat Trial Summary

### Precipitation Zone >20" – Preliminary Data

1. Soft white spring wheat grain yield across three locations and 24 entries in the >20" precipitation zone averaged 59 bushels/acre that is less than the average in the 16-20" zone and 9 bushels/acre less than the 2010 average of 68 bushels/acre. The CV for the average data is 8, similar to the 2010 CV. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 47 to 69 bushels/acre. Louise-G2 was the highest yielding entry averaged across locations. The Louise-G2 entry is a 2 oz/100lb of seed treatment of Gaucho. This treatment targets wire worms that may be causing yield losses and appears to be effective at some sites. Average yield values within the 10% LSD range (3 bushels/acre) of the highest yield are shown in bold and this included 4 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: 10% impact at Farmington, 25% at Fairfield, and 25% at Pullman.
3. Test weight averaged 61.3 lb/bu across locations and entries and was higher than last year's 58.1 lb/bu average. Grain protein averaged 9.2% and was lower than last year's 11.6% protein value.