

# 2011 WSU Variety Testing Soft White Spring Wheat Trial Summary

## Precipitation Zone 12-16"

Variety Name (Club <i>Italicized</i> )	Yield (Bu/A)				Test Weight (Lbs/A)				Protein (%)			
	Almira	Endicott	Lamont	Average	Almira	Endicott	Lamont	Average	Almira	Endicott	Lamont	Average
Louise-G2	71	61	89	<b>74</b>	59.7	62.3	61.2	61.1	10.5	9.9	10.1	10.2
Diva	80	56	81	<b>72</b>	60.6	61.5	61.5	61.2	9.8	10.3	9.5	9.9
Louise	68	56	88	<b>71</b>	60.2	62.3	61.6	61.4	10.3	10.1	9.6	10.0
<i>WA 8131</i>	78	54	81	<b>71</b>	60.4	62.3	61.5	61.4	10.9	10.6	9.9	10.5
<i>JD</i>	75	57	78	<b>70</b>	61.2	63.6	62.7	<b>62.5</b>	10.9	10.2	10.4	10.5
IDO687	76	51	77	68	62.0	63.7	62.3	<b>62.7</b>	10.2	10.0	9.4	9.9
Babe	68	54	83	68	61.5	63.0	61.3	61.9	10.1	9.9	9.8	9.9
IDO686	73	49	78	67	60.1	63.5	62.4	62.0	10.0	10.5	9.8	10.1
Whit	69	55	78	67	60.9	62.3	60.8	61.3	10.4	10.0	10.1	10.2
IDO671	72	48	81	67	60.0	62.6	61.3	61.3	9.7	10.0	9.3	9.7
WA 8150	70	55	74	66	61.3	63.5	62.0	62.2	9.9	10.1	9.8	10.0
WA 8128	71	50	76	66	61.5	62.7	62.0	62.1	10.8	10.2	10.7	10.6
WA 8127	71	51	75	66	60.9	62.9	61.6	61.8	10.0	10.2	9.7	10.0
Alturas	68	49	80	66	58.9	62.2	60.7	60.6	10.6	9.9	9.4	10.0
<i>Eden</i>	69	55	73	66	60.7	63.2	62.5	62.2	10.1	9.9	9.9	10.0
WA 8149	69	56	71	65	61.2	61.6	60.6	61.1	9.2	10.2	9.1	9.5
IDO644	63	54	80	65	60.4	61.3	60.4	60.7	10.7	9.6	8.9	9.8
WA 8124	55	56	82	64	60.7	63.7	61.8	62.1	10.1	10.5	9.6	10.1
Wakanz	61	54	76	64	60.1	61.0	59.7	60.3	11.2	10.4	10.5	10.7
Zak	62	49	67	59	61.0	62.6	60.1	61.3	10.6	10.6	10.2	10.5
Nick	57	51	68	59	60.9	61.9	60.7	61.2	9.9	10.0	9.3	9.7
UI-Cataldo	60	46	71	59	59.0	61.8	60.6	60.5	10.3	10.4	10.0	10.2
Alpowa	56	47	71	58	61.7	63.2	61.6	62.2	9.5	10.1	8.9	9.5
WB-1035CL2	54	43	64	54	60.4	61.6	60.9	60.9	11.5	11.1	11.1	<b>11.2</b>
<b>CV (%)</b>	13	4	6	9	1.8	0.6	0.6	1.2	4.4	2.1	5.9	4.4
<b>LSD (0.10)</b>	9	4	5	4	1.2	0.8	0.4	0.4	0.5	0.4	0.6	0.3
<b>Average</b>	67	52	77	65	60.6	62.5	61.3	61.5	10.3	10.2	9.8	10.1
<b>Highest</b>	80	61	89	74	62.0	63.7	62.7	62.7	11.5	11.1	11.1	11.2
<b>Lowest</b>	54	43	64	54	58.9	61.0	59.7	60.3	9.2	9.6	8.9	9.5

## 2011 WSU Soft White Spring Wheat Trial Summary

### Precipitation Zone 12-16" – Preliminary Data

1. Soft white spring wheat grain yield across three locations and 24 entries in the 12-16" precipitation zone averaged 65 bushels/acre and is five bushels/acre higher than the 2010 average of 60 bushels/acre. The CV for the average data is 9, lower than the 2010 CV. In general the trials had good establishment after late seeding.
2. Yields among entries averaged across locations ranged from 54 to 74 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 the Almira and Endicott sites. Average yield values within the 10% LSD range (4 bushels/acre) of the highest yield are shown in bold and this included 5 of the 24 entries. Stripe rust was a factor at all locations and influenced yield rankings based on susceptibility. There were no fungicide applications 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 61.5 lb/bu across locations and entries and was higher than last year's 58.1 lb/bu average. Grain protein averaged 10.1% and was lower than last year's 13.0% protein value.