

## 2012 WSU Variety Testing SW Spring Wheat Trial, St. John

Variety Name <i>*Club Italicized</i>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2012				
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT	HEAD DATE
<i>ARS03174CS</i>				<b>79</b>	<b>61.6</b>	9.4	37	177
<b>Diva</b>	68	64	75	<b>79</b>	61.1	9.6	37	174
<b>Louise-0W</b>				<b>78</b>	60.8	8.7	39	175
<b>Louise</b>	68	63	75	<b>78</b>	60.7	9.2	40	174
<b>WA 8124</b>		59		<b>77</b>	61.0	9.0	36	177
<b>Zak</b>	64	55	65	<b>76</b>	60.3	8.4	37	176
<b>WA 8162</b>				<b>76</b>	61.3	9.4	34	178
<b>ARS03173LS</b>				<b>75</b>	60.0	8.4	37	176
<b>Whit</b>	67	60	69	<b>75</b>	60.3	9.1	37	172
<b>Louise-G2</b>			76	<b>74</b>	60.7	9.0	39	174
<i>JD</i>	63	62	70	<b>74</b>	<b>61.8</b>	9.1	39	175
<b>Babe</b>	63	59	69	<b>74</b>	60.6	8.6	37	174
<b>Alturas</b>	62	59	68	73	60.4	9.1	34	177
<b>IDO599</b>		52		73	60.8	8.4	36	174
<i>WA 8160</i>				73	60.7	9.1	36	175
<b>WA 8161</b>				72	<b>62.0</b>	8.9	37	175
<b>IDO671</b>		56	64	71	60.7	9.0	35	176
<i>WA 8131</i>			69	70	60.6	8.6	33	177
<b>Wakanz</b>	66	58	65	69	59.4	9.1	34	179
<b>IDO688</b>			64	66	<b>61.6</b>	8.9	37	176
<b>Alpowa</b>	61	52	61	66	61.0	9.0	37	178
<b>IDO687</b>			63	65	<b>61.7</b>	10.1	36	176
<b>Nick</b>	55	48	55	63	59.6	9.5	37	172
<b>WB-1035CL+</b>			49	59	60.2	9.8	33	172
<b>C.V. %</b>	9	9	8	7	0.9	7.4	4	1
<b>LSD (.10)</b>	3	3	4	5	0.6	0.7	1	1
<b>Average</b>	64	57	66	72	60.8	9.1	36	175
<b>Highest</b>	68	64	76	79	62.0	10.1	40	179
<b>Lowest</b>	55	48	49	59	59.4	8.4	33	172

### St. John Soft White Spring Wheat - Preliminary Data

1. Grain yield in the 2012 St. John soft white spring wheat trial averaged 72 bushels/acre, 8 bushels/acre higher than the 5-year average at this location. The St. John nursery was located about three miles east of St. John, WA (M. Mills, cooperator).
2. This nursery was seeded on 13 April, 2012 following winter wheat. Seed was placed at an 80#/acre seeding rate using a plot drill equipped with double disc openers set on 6-inch spacing. Base fertilizer was 80#N/acre and a soil test showed 99#N/acre available. Spring seeding conditions were good.
3. Yields ranged narrowly from 59 bu/acre to 79 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 12 of the 24 entries are in this group. `Diva' and `Louise' were the highest yielding named entries in this trial and also were the highest yielding over 5 years in trials at this location. Fungicide was applied 24 May for stripe rust control and stripe rust had minimal impact in this trial.
4. Test weights averaged 60.8 lbs/bu and ranged from 59.4 to 62.0 lbs/bu. Grain protein averaged 9.1% with a range of 8.4 to 10.1%. The average plant height was 36 inches with no lodging.