

## 2012 WSU Variety Testing SW Spring Wheat Trial, Almira

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	LODGING (%)
<i>ARS03174CS</i>				51	57.8	15.0	35	0
<b>WA 8162</b>				48	55.7	15.5	35	0
<b>IDO687</b>			62	48	56.8	13.5	36	0
<b>IDO599</b>		45		47	55.2	13.0	34	0
<b>Babe</b>	55	51	57	47	54.4	13.9	35	12
<b>Louise</b>	57	54	58	47	54.3	13.6	38	0
<i>JD</i>	58	56	60	46	56.4	15.1	36	0
<b>WA 8161</b>				46	55.0	15.3	37	0
<i>WA 8160</i>				45	55.0	14.8	34	0
<b>WA 8124</b>		39		45	55.0	14.4	35	0
<b>Nick</b>	53	47	51	45	53.2	14.7	34	0
<b>Diva</b>	57	57	63	45	55.0	13.7	36	0
<b>Wakanz</b>	51	46	53	45	53.1	15.4	33	0
<b>WB-1035CL+</b>			49	45	52.0	16.1	33	0
<b>Zak</b>	51	48	53	45	55.2	15.6	35	0
<b>Alpowa</b>	53	50	50	44	55.1	15.3	35	0
<b>Whit</b>	56	52	56	43	52.2	15.3	34	25
<b>Louise-G2</b>			57	43	53.6	14.2	37	0
<b>ARS03173LS</b>				42	54.1	15.1	37	0
<b>IDO669</b>		42		41	55.4	14.3	37	0
<b>Alturas</b>	51	48	54	41	54.3	14.4	35	0
<b>Louise-0W</b>				39	53.1	14.6	37	0
<b>IDO686</b>			56	39	55.6	14.0	36	0
<b>IDO671</b>		51	55	37	54.6	14.2	34	0
<b>C.V. %</b>	12	15	13	11	2.0	7.2	3	628
<b>LSD (.10)</b>	3	5	5	5	1.1	1.1	1	10
<b>Average</b>	54	49	56	44	54.7	14.6	35	2
<b>Highest</b>	58	57	63	51	57.8	16.1	38	25
<b>Lowest</b>	51	39	49	37	52.0	13.0	33	0

## Almira Soft White Spring Wheat – Preliminary Data

1. This summary includes duplicate soft white spring wheat trials except one was sprayed with fungicide and the other was not sprayed. Grain yield in these 2012 Almira soft white spring wheat trials averaged 44 bushels/acre, 10 bushels/acre lower than the 5-year average in the fungicide sprayed trial, and the non-sprayed trial averaged 47 bushels/acre. The Almira trial was located about 7 miles north of Almira, WA (D. McKay, cooperator).
2. The trials were seeded on 24 April, 2012 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 75#N/acre applied pre-plant. Spring seeding conditions were good and establishment was uniform. Tilt® fungicide at 4 oz/acre was applied 24 May to the sprayed trial and stripe rust levels were low.
3. In the sprayed trial, yields ranged from 37 to 51 bu/acre, while in the non-sprayed trial, yields ranged from 39 to 56 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 8 of the 24 entries are in this group in the sprayed trial and 4 of 24 in the non-sprayed trial. 'Babe' and 'Louise', were the highest yielding named varieties in the sprayed trial, and 'Diva' and Louise were the highest yielding over 5 years of results at this site. Louise-0W (no insecticide seed treatment) and Louise-G2 (2 oz/100# seed treatment insecticide) were the highest yielding named varieties in the non-sprayed trial. Yields in both trials and the difference in yield and percentage difference between sprayed and non-sprayed for each entry are in a separate comparison table. Yield advantage in the sprayed trial averaged -3 bu/acre.
4. Test weights were very poor indicating a stressed grain filling and averaged 54.7 lbs/bu and ranged from 52.0 to 57.8 lbs/bu in the sprayed trial. Similarly in the non-spray trial test weight averaged 56.2 lbs/bu and ranged from 54.4 to 58.3 lbs/bu. Grain protein averaged a very high 14.6% with a range of 13.0 to 16.1% in the sprayed trial, and protein averaged 13.5% with a range of 11.4 to 15.6% in the non-sprayed trail also indicating a stressed grain filling. There was no lodging in either trial.