

## 2011 WSU Variety Testing SW Spring Wheat Trial, Almira

Variety Name <small>*Club Italized</small>	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
Diva		61	63	<b>80</b>	60.6	9.8	37
WA 8131				<b>78</b>	60.4	10.9	32
IDO687				<b>76</b>	<b>62.0</b>	10.2	36
JD	57	60	62	<b>75</b>	<b>61.2</b>	10.9	35
IDO686				<b>73</b>	60.1	10.0	38
IDO671			58	<b>72</b>	60.0	9.7	35
WA 8127				<b>71</b>	<b>60.9</b>	10.0	33
WA 8128				<b>71</b>	<b>61.5</b>	10.8	34
Louise-G2				<b>71</b>	59.7	10.5	36
WA 8150				70	<b>61.3</b>	9.9	33
Eden	52	55	50	69	60.7	10.1	33
Whit	55	60	57	69	<b>60.9</b>	10.4	34
WA 8149				69	<b>61.2</b>	9.2	35
Louise	55	60	58	68	60.2	10.3	37
Alturas	50	53	52	68	58.9	10.6	35
Babe	54	56	52	68	<b>61.5</b>	10.1	35
IDO644				63	60.4	10.7	32
Zak	49	52	49	62	<b>61.0</b>	10.6	34
Wakanz	50	50	47	61	60.1	11.2	29
UI-Cataldo	47	49	46	60	59.0	10.3	34
Nick	53	53	48	57	<b>60.9</b>	9.9	33
Alpowa	53	55	54	56	<b>61.7</b>	9.5	32
WA 8124			43	55	60.7	10.1	34
WB-1035CL2				54	60.4	11.5	32
C.V.	19	19	20	13	1.8	4.4	7
LSD	3	5	7	9	1.2	0.5	5
Average	52	55	53	67	60.6	10.3	34
Highest	57	61	63	80	62.0	11.5	38
Lowest	47	49	43	54	58.9	9.2	29

### Almira Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Almira soft white spring wheat trial averaged 67 bushels/acre 15 bushels/acre more than the 5-year average. The Almira nursery was located about ten miles north of Almira, WA (Dan McKay, cooperator).
2. This nursery was seeded on 22 April, 2011 following winter wheat. Seed was placed at a 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 65 #N/acre applied at seeding. Seeding was late but emergence was good.
3. Yields ranged from 54 bu/acre to 80 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 9 of the 24 entries are in this group. Diva was the highest yielding variety in this trial and JD was highest yielding across 5 years of results at this location. Stripe rust was a factor in this trial and no fungicide was applied. There appears to be a 20% or more effect on yield by stripe rust for susceptible entries. The nearest neighbor analyses of yield had a 178% relative precision compared to a RCBD.
4. Test weights were good and averaged 60.6 lb/bu and ranged from 58.9 to 62.0 lb/bu. Grain protein was good and averaged 10.3% with a range of 9.2 to 11.5%. The average plant height was 34 inches with no lodging.