

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

Variety Name <small>*Hard White 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
WA 8123			62	<b>78</b>	61.8	11.3	35
<b>WA 8074</b>		58	62	<b>73</b>	60.9	10.5	37
WA 8133				72	61.3	11.5	35
<b>Lassik</b>		57	58	70	61.4	10.6	30
<b>Jefferson</b>	53	58	60	69	61.0	11.4	35
<b>WB-Fuzion</b>			63	69	61.9	11.1	36
Clear White 515				69	59.2	11.5	33
<b>BR7030</b>			59	68	61.8	10.7	34
Patwin 515				68	60.9	11.6	26
<b>WA 8148</b>				68	60.7	11.1	33
<b>Hollis</b>	51	55	57	67	60.6	12.1	45
<b>Buck Pronto</b>	50	54	60	67	61.7	12.1	36
Macon		52	55	64	61.1	10.0	34
<b>Scarlet</b>	53	54	54	64	60.0	11.4	37
<b>Tara 2002</b>	52	54	57	64	59.8	11.4	35
<b>UI Winchester</b>		55	57	64	59.6	11.5	32
Otis		50	52	63	62.0	10.0	40
<b>Bullseye</b>		56	58	63	<b>63.2</b>	11.0	31
10Fx Inc.1				63	61.0	10.8	35
<b>Kelse</b>	52	54	56	62	60.9	12.0	36
<b>Hank</b>	52	56	58	61	58.5	11.5	33
<b>Westbred 926</b>	51	54	57	60	59.9	11.7	34
<b>IDO702</b>				60	59.6	11.1	34
<b>Cerere</b>				55	60.2	10.5	31
<b>C.V.</b>	14	10	10	7	1.3	5.8	5
<b>LSD</b>	2	3	4	5	0.8	0.7	2
<b>Average</b>	52	55	58	66	60.8	11.2	34
<b>Highest</b>	53	58	63	78	63.2	12.1	45
<b>Lowest</b>	50	50	52	55	58.5	10.0	26

### Almira Hard Spring Wheat – Preliminary Data

1. Grain yield in the Almira hard spring wheat trial averaged 66 bushels/acre, 14 bushels/acre less 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 an 80#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 65#N/acre. A soil test before planting showed 202#N/acre available and no additional N was applied based on yield projections. Spring seeding was late but establishment was good.
3. Yields ranged from 55 bu/acre to 78 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 24 entries are in this group. Lassik was the highest yielding named entry and Jefferson was highest yielding over 5 years at this location. Stripe rust was a factor in this trial and no fungicide was applied. There appears to be 20% or more effect on yield by stripe rust for susceptible entries. The nearest neighbor analysis of yield had a 224% relative efficiency versus an RCBD.
4. Test weights were good with an average of 60.8 lb/bu and ranged from 58.5 to 63.2 lb/bu. Grain protein averaged 11.2% with a range of 10.0 to 12.1%. The average plant height was 34 inches with no lodging.