

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

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	HEAD DATE
Lassik		62	62	<b>54</b>	<b>62.3</b>	12.5	27	178
BR7030			64	<b>53</b>	<b>62.6</b>	12.5	29	179
WA 8123			62	<b>52</b>	<b>61.9</b>	12.4	29	177
<b>WA 8074</b>		58	57	<b>51</b>	<b>61.5</b>	12.7	30	178
Scarlet	61	64	59	50	60.9	12.8	32	178
WA 8133				50	61.0	12.5	30	178
Kelse	55	56	53	49	<b>61.9</b>	13.5	32	178
10Fx Inc.1				49	<b>62.4</b>	12.7	29	178
Hollis	54	57	54	48	60.8	13.3	38	178
<b>WA 8148</b>				48	60.8	13.5	30	179
Cerere				48	<b>61.1</b>	12.8	27	182
Jefferson	54	54	50	47	<b>61.1</b>	13.5	31	179
Westbred 926	50	51	51	47	60.3	13.6	29	177
UI Winchester		57	54	47	60.6	12.6	29	178
Macon		53	49	46	60.2	11.7	29	178
Patwin 515				46	61.0	13.6	21	178
IDO702				46	60.0	13.2	30	178
Bullseye		52	48	45	<b>63.4</b>	12.5	27	179
Clear White 515				45	60.4	13.2	27	177
Otis		61	53	44	<b>62.3</b>	11.9	31	179
Tara 2002	53	53	49	44	<b>61.3</b>	13.1	30	177
Buck Pronto	49	52	50	43	60.8	14.1	29	176
WB-Fuzion			46	43	60.4	13.1	32	177
Hank	51	50	43	41	59.1	12.8	28	178
C.V.	11	9	8	5	1.0	2.3	4	0
LSD	2	3	4	3	1.3	0.6	2	1
Average	53	56	53	47	61.2	12.9	29	178
Highest	61	64	64	54	63.4	14.1	38	182
Lowest	49	50	43	41	59.1	11.7	21	176

### Endicott Hard Spring Wheat – Preliminary Data

1. Grain yield in the Endicott hard spring wheat trial averaged 47 bushels/acre, 5 bushel/acre less than the 5-year average. The Endicott nursery was located about six miles east of Endicott, WA (M. Richter, cooperator).

2. This nursery was seeded on 8 April, 2011 following fallow. Seed was placed at an 80#/acre seeding rate using a no-till drill set on 10-inch spacing. Base fertilizer was 70#N/acre and soil test analysis showed 106#N/acre available. An additional 106#N/acre was applied to meet the hard protein target at projected yield levels. Spring seeding was late but establishment was good.

3. Yields ranged from 41 bu/ac to 54 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 24 entries are in this group. Lassik was the highest yielding named variety for 2011 and Scarlet was highest yielding over 5 years at this location. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be in the range of 10% effect on yield by stripe rust for susceptible entries. The Lattice design was 137% efficient compared to an RCBD for yield.

4. Test weights were good with an average of 61.2 lb/bu and ranged from 59.1 to 63.4 lb/bu. Grain protein averaged 12.9% with a range of 11.7 to 14.1%. The average plant height was 29 inches with no lodging.