

2011 WSU Variety Testing SW Spring Wheat Trial, Endicott

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	HEAD DATE
Louise-G2				61	62.3	9.9	32	180
JD	63	67	70	57	63.6	10.2	32	180
Louise	64	67	69	56	62.3	10.1	33	179
Diva		65	67	56	61.5	10.3	31	179
WA 8124			68	56	63.7	10.5	29	181
WA 8149				56	61.6	10.2	30	180
Eden	57	60	62	55	63.2	9.9	29	179
Whit	60	62	61	55	62.3	10.0	31	178
WA 8150				55	63.5	10.1	28	181
Wakanz	60	65	63	54	61.0	10.4	28	180
Babe	57	59	58	54	63.0	9.9	30	178
WA 8131				54	62.3	10.6	27	180
IDO644				54	61.3	9.6	30	177
Nick	57	57	54	51	61.9	10.0	28	178
WA 8127				51	62.9	10.2	29	178
IDO687				51	63.7	10.0	30	179
WA 8128				50	62.7	10.2	32	178
Zak	57	59	56	49	62.6	10.6	29	180
Alturas	62	66	62	49	62.2	9.9	29	179
IDO686				49	63.5	10.5	31	179
IDO671			60	48	62.6	10.0	29	178
Alpowa	56	55	53	47	63.2	10.1	29	179
UI-Cataldo	54	55	50	46	61.8	10.4	28	177
WB-1035CL2				43	61.6	11.1	28	178
C.V.	11	10	8	4	0.6	2.1	4	0
LSD	2	3	4	3	0.8	0.4	2	1
Average	59	61	61	52	62.5	10.2	30	179
Highest	64	67	70	61	63.7	11.1	33	181
Lowest	54	55	50	43	61.0	9.6	27	177

Endicott Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Endicott soft white spring wheat trial averaged 52 bushels/acre, 7 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 plot drill set on 10-inch spacing. Base fertilizer was 70 #N applied. Spring seeding was late, but establishment was good.

3. Yields ranged from 43 bu/ac to 61 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and only 1 of the 24 entries are in this group. Louise-G2 was the highest yielding entry in 2011 and Louise was the highest yielding over 5 years of results at this site. The Louise-G2 entry is a 2 oz/100lb of seed treatment of Gaucho. This treatment targets wire worms that may be causing yield losses and appears to be effective at this site. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be 10% or less effect on yield by stripe rust for susceptible entries. The Lattice design was 129% efficient compared to an RCBD for yield.

4. Test weights were very good and averaged 62.5 lb/bu and ranged from 61.0 to 63.7 lb/bu. Grain protein was good and averaged 10.2% with a range of 9.6 to 11.1%. The average plant height was 30 inches with no lodging.