

2011 WSU Variety Testing SW Spring Wheat Trial, Lamont

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				89	61.2	10.1	36	168
Louise	57	71	80	88	61.6	9.6	37	168
Babe	53	63	71	83	61.3	9.8	34	167
WA 8124			91	82	61.8	9.6	34	172
Diva		71	79	81	61.5	9.5	35	170
IDO671			84	81	61.3	9.3	32	169
WA 8131				81	61.5	9.9	28	171
Alturas	55	71	85	80	60.7	9.4	31	168
IDO644				80	60.4	8.9	30	167
Whit	49	58	67	78	60.8	10.1	33	168
JD	53	65	75	78	62.7	10.4	35	171
IDO686				78	62.4	9.8	35	170
IDO687				77	62.3	9.4	31	170
Wakanz	56	66	76	76	59.7	10.5	33	174
WA 8128				76	62.0	10.7	37	168
WA 8127				75	61.6	9.7	33	168
WA 8150				74	62.0	9.8	32	170
Eden	50	58	67	73	62.5	9.9	31	167
Alpowa	51	61	72	71	61.6	8.9	34	172
UI-Cataldo	47	59	65	71	60.6	10.0	31	165
WA 8149				71	60.6	9.1	32	170
Nick	51	60	63	68	60.7	9.3	32	169
Zak	51	61	66	67	60.1	10.2	32	172
WB-1035CL2				64	60.9	11.1	31	168
C.V.	18	16	14	6	0.6	5.9	4	0
LSD	4	6	8	6	0.4	0.6	1	1
Average	52	64	74	77	61.3	9.8	33	169
Highest	57	71	91	89	62.7	11.1	37	174
Lowest	47	58	63	64	59.7	8.9	28	165

Lamont Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Lamont soft white spring wheat trial averaged 77 bushels/acre, 25 bu/acre higher than the 5-year average. The Lamont nursery was located about five miles southeast of Lamont, WA (Gil White, cooperator).

2. This nursery was seeded on 18 April, 2011 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 70 #N/acre applied. Spring seeding was late, but establishment was good.

3. Yields ranged from 64 bu/acre to 89 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 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 Gaucho seed treatment. This treatment targets wire worms that may be causing yield losses but was not different than Louise with the standard seed treatment. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be an impact on yield by stripe rust for susceptible entries of 20% or more. The Lattice design was 122% efficient compared to an RCBD for yield.

4. Test weights were good averaging 61.3 lb/bu and ranged from 59.7 to 62.7 lb/bu. Grain protein averaged 9.8% with a range of 8.9 to 11.1%. The average plant height was 33 inches with no lodging.