

2011 WSU Variety Testing SW Spring Wheat Trial, Lind

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2011					
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	LODGING (%)	PLANT HT	HEAD DATE
JD	33	40	46	44	61.9	12.4	0	29	165
Diva		40	46	43	61.3	12.1	0	30	166
WA 8131				43	60.1	13.1	0	25	168
Wakanz	32	38	45	42	59.6	12.2	0	27	169
WA 8124			46	42	61.0	12.7	0	29	169
WA 8149				42	61.1	11.7	0	27	168
Louise-G2				42	60.8	11.8	0	32	165
Louise	33	39	44	41	61.4	12.0	0	31	166
Eden	30	36	41	40	62.0	11.5	0	27	161
Babe	31	37	42	40	61.2	11.6	0	28	166
IDO686				40	61.0	12.2	0	30	165
IDO671			43	39	60.3	12.0	0	29	165
WA 8127				39	61.5	12.1	0	27	165
WA 8128				39	61.0	13.0	0	30	164
WA 8150				39	62.1	11.4	0	27	166
IDO644				39	59.0	12.1	0	28	163
IDO687				39	61.3	12.6	0	29	167
Alpowa	31	37	42	37	61.2	11.5	0	28	167
Alturas	32	37	42	37	59.5	12.4	0	28	165
Whit	31	36	41	37	60.0	12.0	0	29	164
Nick	31	35	40	36	59.5	12.4	0	28	165
UI-Cataldo	28	31	35	35	58.4	12.6	0	26	162
WB-1035CL2				35	58.5	13.3	0	25	164
Zak	29	34	37	32	59.9	13.5	0	27	168
C.V.	9	6	5	3	0.8	2.1	0	4	1
LSD	1	1	2	2	0.7	0.5	0	2	2
Average	31	37	42	39	60.6	12.3	0	28	166
Highest	33	40	46	44	62.1	13.5	0	32	169
Lowest	28	31	35	32	58.4	11.4	0	25	161

Lind Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Lind soft white spring wheat trial averaged 39 bushels/acre, 8 bushel/acre higher than the 5-year average. The Lind nursery was located on the WSU Lind Dryland Experiment Station three miles NE of the town of Lind. This nursery was conducted in cooperation with the WSU spring wheat breeding program.

2. This nursery was seeded on 18 March, 2011 following fallow. Seed was placed at a 60#/acre seeding rate using a double-disk plot drill set on 6-inch spacing. Base fertilizer was 50#N fall applied. Spring seeding conditions were good. Cool and wet weather occurred until anthesis when dry weather prevailed through the remainder of the growing season.

3. Yields ranged from 32 bu/ac to 44 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 7 of the 24 entries are in this group. The club JD was the highest yielding named variety in 2011, and Louise and JD were the highest yielding over 5 years of results at this site. Stripe rust was at moderate levels in the trial and incurred an estimated 20% yield impact on susceptible varieties. The Lattice design was 301% efficient compared to an RCBD for yield.

4. Test weights were good and averaged 60.6 lb/bu and ranged from 58.4 to 62.1 lb/bu. Grain protein averaged 12.3% with a range of 11.4 to 13.5%. The average plant height was 28 inches with no lodging.