

2011 WSU Variety Testing SW Spring Wheat Trial, Pullman

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 (%)	PLANT HT	HEAD DATE
JD	77	78	78	79	62.9	8.1	37	186
Diva		67	64	77	62.2	8.7	36	186
WA 8128				76	63.0	8.4	36	184
WA 8124			73	75	62.0	7.1	35	189
Louise-G2				74	61.6	7.4	37	186
Louise	73	68	62	73	61.9	8.0	36	186
Alturas	71	69	64	70	61.7	8.5	31	186
WA 8127				69	62.4	8.2	32	185
WA 8150				68	62.2	7.4	33	187
Wakanz	67	61	54	67	61.5	8.0	32	187
WA 8149				67	61.1	7.2	32	187
IDO686				67	62.6	7.8	34	185
IDO687				67	62.8	7.7	31	186
Eden	70	64	57	66	61.8	7.5	31	184
WA 8131				66	62.1	8.9	29	186
Whit	67	61	55	65	61.5	7.2	31	184
IDO644				63	60.7	6.9	30	183
Babe	70	63	56	62	61.9	8.0	32	184
Alpowa	68	61	52	61	62.6	7.2	33	188
IDO671			58	61	61.6	8.0	32	185
Zak	60	56	46	58	62.0	8.5	32	186
UI-Cataldo	61	55	46	55	61.1	8.9	30	183
Nick	60	51	38	45	60.6	7.9	29	184
WB-1035CL2				45	61.5	9.6	30	183
C.V.	11	11	9	8	0.8	8.1	3	0
LSD	3	4	4	7	0.5	0.7	1	1
Average	68	63	57	66	61.9	8.0	33	185
Highest	77	78	78	79	63.0	9.6	37	189
Lowest	60	51	38	45	60.6	6.9	29	183

Pullman Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Pullman soft white spring wheat trial averaged 66 bushels/acre, similar to the 5-year average. The Pullman nursery was located at WSU Spillman experimental farm about two miles south of Pullman, WA (Ryan Davis, farm manager). This trial was conducted in cooperation with the spring wheat breeding program.
2. This nursery was seeded on 24 April, 2011 following winter wheat. Seed was placed at a 90#/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 45 bu/acre to 79 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 24 entries are in this group. The club JD was the highest yielding entry in 2011 and was also the highest yielding over 5 years of results at this site. Stripe rust was a factor in this trial and no fungicide was applied. There was an impact on yield by stripe rust with yields reduced by 25% or more for susceptible entries. The Lattice design was 108% efficient compared to an RCBD for yield.
4. Test weights were good averaging 61.9 lb/bu and ranged from 60.6 to 63.0 lb/bu. Grain protein averaged 8.0% with a range of 6.9 to 9.6%. The average plant height was 33 inches with no lodging.