

2011 WSU Variety Testing SW Spring Wheat Trial, Mayview

Variety Name <i>*Club Italized</i>	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				62	61.0	7.6	34	183
Louise	55	52	47	61	60.6	7.9	34	183
Whit	55	53	50	58	60.6	7.9	30	181
JD	53	51	48	58	62.3	8.2	33	184
Diva		52	48	58	61.1	8.4	33	183
Wakanz	54	52	49	56	61.0	8.8	31	184
IDO644				55	59.5	6.9	28	180
Eden	53	51	48	54	61.7	8.2	30	182
WA 8127				54	61.8	8.6	31	183
WA 8150				53	61.6	7.9	31	184
IDO686				53	61.5	8.0	32	183
Alturas	51	48	42	52	60.0	7.7	28	183
Babe	55	53	49	52	61.1	7.4	29	181
WA 8128				51	61.8	8.3	34	181
IDO671			40	50	60.4	8.3	31	182
Alpowa	51	48	44	49	61.8	7.7	32	184
Zak	49	47	42	49	61.2	8.7	31	184
Nick	54	52	49	49	60.2	7.5	28	181
UI-Cataldo	49	46	43	49	59.9	8.6	29	181
WA 8124			44	49	61.0	7.3	33	186
WA 8131				49	61.5	8.8	28	184
WA 8149				48	60.4	7.0	30	184
IDO687				48	61.3	7.0	29	183
WB-1035CL2				40	60.7	9.0	28	180
C.V.	13	13	12	7	0.6	9.1	5	0
LSD	2	4	4	5	0.4	0.8	2	1
Average	53	50	46	52	61.0	8.0	31	183
Highest	55	53	50	62	62.3	9.0	34	186
Lowest	49	46	40	40	59.5	6.9	28	180

Mayview Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Mayview soft white spring wheat trial averaged 49 bushels/acre, similar to the 5-year average. The Mayview nursery was located about four miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R. & R. Koller, cooperators).
2. This nursery was seeded on 29 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 90 #N/acre applied. Spring seeding was late, but establishment was good.
3. Yields ranged from 40 bu/acre to 62 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 5 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 and fungicide was applied 31 May and 27 June. There appears to be a slight impact on yield by stripe rust for susceptible entries. The Lattice design was 290% efficient compared to an RCBD for yield.
4. Test weights were good averaging 61.0 lb/bu and ranged from 59.5 to 62.3 lb/bu. Grain protein averaged 8.0% with a range of 6.9 to 9.0%. The average plant height was 31 inches with no lodging.