

2011 WSU Variety Testing SW Spring Wheat Trial, Walla Walla

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
Louise	69	83	76	79	59.7	13.1	38	170
WA 8131				78	60.1	14.5	33	172
Nick	67	80	72	74	59.3	13.9	35	168
Eden	68	83	77	74	61.2	12.9	34	169
IDO644				74	57.8	13.6	33	166
Louise-G2				73	60.0	13.2	37	169
Whit	66	80	72	71	57.3	14.5	34	168
Diva		85	80	71	60.2	13.3	35	170
UI-Cataldo	65	79	74	70	59.3	14.3	35	166
Babe	67	84	74	70	59.4	13.9	36	169
Zak	64	72	60	69	60.6	15.0	34	171
Alturas	70	90	86	69	59.3	13.3	33	170
WA 8127				69	60.0	14.0	34	170
WA 8128				67	59.2	14.3	38	167
WB-1035CL2				67	58.5	15.2	36	167
IDO686				66	60.0	13.1	35	170
IDO687				66	60.6	13.7	34	170
IDO671			80	65	59.8	13.2	35	169
Alpowa	63	77	65	64	59.4	14.4	34	171
Wakanz	64	76	65	63	56.4	14.7	31	171
JD	65	80	74	61	61.3	14.5	38	170
WA 8124			77	61	60.2	14.3	35	172
WA 8150				61	60.5	14.3	32	171
WA 8149				57	59.7	12.9	33	171
C.V.	14	13	13	7	1.5	5.0	5	1
LSD	3	5	7	6	1.8	1.4	3	2
Average	66	81	74	68	59.6	13.9	35	169
Highest	70	90	86	79	61.3	15.2	38	172
Lowest	63	72	60	57	56.4	12.9	31	166

Walla Walla Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Walla Walla soft white spring wheat trial averaged 68 bushels/acre, 2 bushel/acre more than the 5-year average. The Walla Walla nursery was located about one mile east of Waitsburg, WA (Glen Smith, cooperater).
2. This nursery was seeded on 25 March, 2011 following hard red spring wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 112 #N applied. Spring seeding was late, but establishment was good.
3. Yields ranged from 57 bu/ac to 79 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 24 entries are in this group. Louise was the highest yielding entry in 2011 and Alturas was the highest yielding over 5 years of results at this site. Stripe rust was a factor in this trial and fungicide was applied on 18 May and 12 June. The fungicide appears to be effective with no apparent yield loss for susceptible entries. The Lattice design was 204% efficient compared to an RCBD for yield.
4. Test weights averaged 59.6 lb/bu and ranged from 56.4 to 61.3 lb/bu. Grain protein was high due to high soil residual N and averaged 13.9% with a range of 12.9 to 15.2%. The average plant height was 35 inches with no lodging.