

## 2011 WSU Variety Testing SW Spring Wheat Trial, Dayton

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	65	63	74	<b>97</b>	62.8	11.1	36	180
Babe	63	65	77	<b>97</b>	63.7	10.9	33	178
Diva		64	76	<b>97</b>	62.6	11.2	36	181
Louise-G2				<b>96</b>	62.7	11.0	36	180
Whit	63	62	73	<b>95</b>	62.2	11.1	32	178
Wakanz	69	68	78	<b>93</b>	61.9	11.7	30	181
Nick	62	62	70	91	62.7	11.5	31	177
JD	63	63	73	91	<b>64.2</b>	11.4	35	181
IDO644				91	61.7	11.2	29	177
WA 8127				90	63.3	11.3	32	181
Alpowa	60	57	69	89	63.6	11.0	32	181
WA 8124			69	<b>88</b>	<b>63.9</b>	11.2	31	183
Alturas	58	60	70	86	62.2	11.0	30	181
Eden	61	61	71	86	63.7	10.8	31	180
IDO671			70	86	62.8	10.8	33	179
WA 8131				86	62.8	11.6	29	182
IDO686				86	<b>63.9</b>	10.9	34	180
UI-Cataldo	54	54	63	85	62.0	11.6	32	178
WA 8128				85	63.1	11.5	31	178
Zak	60	57	63	84	61.9	11.9	32	181
IDO687				84	<b>64.0</b>	11.1	31	180
WA 8149				83	62.8	11.1	31	181
WA 8150				81	63.5	11.0	29	181
WB-1035CL2				76	62.4	13.1	29	177
C.V.	10	8	7	4	0.4	1.7	5	1
LSD	2	3	4	5	0.3	0.2	2	1
Average	62	61	71	88	62.9	11.3	32	180
Highest	69	68	78	97	64.2	13.1	36	183
Lowest	54	54	63	76	61.7	10.8	29	177

### Dayton Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Dayton soft white spring wheat trial averaged 88 bushels/acre, 26 bu/acre higher than the 5-year average. The Dayton nursery was located about five miles north of Dayton, WA (Jay Penner, 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 160 #N/acre applied. Spring seeding was late, but establishment was good.
3. Yields ranged from 76 bu/acre to 97 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. Louise was the highest yielding entry in 2011 and Wakanz 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 May 31 and June 27. There appears to be a slight effect on yield by stripe rust for susceptible entries of 10% or more. The Lattice design was 156% efficient compared to an RCBD for yield.
4. Test weights were very good averaging 62.9 lb/bu and ranged from 61.7 to 64.2 lb/bu. Grain protein averaged 11.3% with a range of 10.8 to 13.1%. The average plant height was 32 inches with no lodging.