

2011 WSU Variety Testing SW Spring Wheat Trial, Farmington

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	85	88	85	74	61.5	9.4	39	196
Louise-G2				74	61.4	9.5	39	196
Diva		89	83	70	61.5	9.4	37	196
Babe	86	90	85	67	61.5	9.4	35	196
Whit	80	81	76	66	61.1	10.0	34	194
WA 8124			84	66	61.0	9.7	35	200
Eden	82	84	80	64	61.6	9.8	32	195
JD	85	89	84	64	61.8	9.9	37	196
IDO671			79	63	61.0	8.9	32	196
WA 8127				63	61.6	9.9	35	196
WA 8150				62	61.7	10.1	33	199
WA 8131				61	60.3	10.0	30	196
Wakanz	81	83	79	60	59.9	10.0	32	200
Zak	79	77	71	59	60.8	10.1	35	197
WA 8128				59	61.5	10.8	37	195
IDO686				59	62.1	9.6	36	200
Alpowa	79	79	74	58	61.6	9.0	36	200
WB-1035CL2				56	61.5	10.5	31	192
IDO644				56	59.9	9.2	30	194
WA 8149				55	59.7	9.4	35	199
IDO687				55	61.7	9.4	34	198
UI-Cataldo	68	66	61	54	60.3	9.6	29	196
Alturas	76	78	72	53	60.2	9.2	34	198
Nick	73	70	61	51	61.4	10.2	32	196
C.V.	9	8	8	7	0.5	4.7	6	1
LSD	2	3	4	5	0.4	0.5	2	1
Average	80	81	77	61	61.1	9.7	34	197
Highest	86	90	85	74	62.1	10.8	39	200
Lowest	68	66	61	51	59.7	8.9	29	192

Farmington Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Farmington soft white spring wheat trial averaged 61 bushels/acre. The Farmington nursery was located about three miles south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 11 May, 2011 following winter wheat. Seed was placed at a 90#/acre seeding rate using a no-till plot drill set on 10-inch spacing. Base fertilizer was 114 #N/acre applied at seeding. Spring seeding was late, but establishment was good.
3. Yields ranged from 51 bu/acre to 74 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 24 entries are in this group. Whit was the highest yielding entry. Stripe rust was a minor factor in this trial and no fungicide was applied. There appears to be up to 10% effect on yield by stripe rust for susceptible entries. Nearest neighbor analyses were used due to wet areas with poor plots in a portion of this trial and had a 558% relative precision compared to an RCBD for yield.
4. Test weights were good and averaged 61.1 lb/bu and ranged from 59.7 to 62.1 lb/bu. Grain protein was good and averaged 9.7% with a range of 8.9 to 10.8%. The average plant height was 34 inches with no lodging.