2010 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT CONNELL, WA.

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010 YIELD (BU/A)	2010 TEST WT (LBS/BU)	2010 PROTEIN (%)	2010 PLANT HT	2010 HEAD DATE
JD		33	41	**53**	**61.2**	12.1	30	160
WA008124				**52**	59.7	12.1	30	160
DIVA		36	40	**51**	60.7	12.2	32	156
LOUISE	34	33	41	50	60.4	11.8	32	157
JD +25%			40	50	**61.4**	11.8	31	159
WAKANZ	33	32	38	49	58.0	11.9	29	160
WA008089		32	38	48	60.7	11.4	30	158
WA008110				48	58.9	12.4	30	161
IDO671				48	**60.9**	11.7	29	155
ALTURAS	32	32	38	47	60.8	11.9	28	155
EDEN +25%			37	47	**61.3**	11.3	28	155
WA008113				46	60.3	11.9	32	160
IDO669				46	59.9	11.7	31	159
EDEN	31	30	37	45	**61.2**	11.1	27	156
WA008106			38	45	60.8	11.9	32	156
WA008105				44	**61.3**	11.1	30	155
IDO599				44	**60.9**	11.6	29	155
WHIT	30	29	35	43	60.8	11.9	29	154
BABE		29	34	43	60.2	11.9	29	156
ALPOWA	30	28	33	42	60.0	11.2	29	156
ZAK	31	30	35	41	59.2	11.8	31	160
NICK	33	30	35	41	**60.9**	11.6	30	154
WA008107				38	60.5	12.8	31	156
CATALDO	29	27	32	35	59.4	12.0	27	154
C.V. %	7	7	5	5	0.7	2.1	4	0
LSD '@ .10'	1	2	2	3	0.6	0.3	1	1
Average	31	31	37	46	60.4	11.8	30	157
Highest	34	36	41	53	61.4	12.8	32	161
Lowest	29	27	32	35	58.0	11.1	27	154

Connell Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Connell soft white spring wheat trial averaged 46 bushels/acre, 15 bushel/acre higher than the 5-year average. The Connell nursery was located 6 miles east of Connell, WA (D. Bauermeister, cooperator).
2. This nursery was seeded on 5 March, 2010 following a fallow year. Seed was placed at a 60#/ acre seeding rate using a double disk plot drill set on 6-inch spacing. Base fertilizer was 60#N/acre fall applied and a spring soil test showed 230#N/acre in the top 4 foot profile. Spring seeding conditions were good, but early spring conditions were dry until unusually prolific rainfall started in May. Stripe rust infestation was very high at this location. This severe stripe rust infestation influenced performance of susceptible varieties. The spring wheat breeding program cooperated with the variety testing program conducting this study.
3. Yields ranged from 35 bu/ac to 53 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 3 of the 24 entries are in this group. The club variety JD was the highest yielding variety. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 26% for yield.
4. Test weights were very good considering the level of stripe rust and averaged 60.4 lb/bu and ranged from 58.0 to 61.4 lb/bu. Grain protein averaged 11.8% with a range of 11.1 to 12.8%. The average plant height was 30 inches.