2010 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT BICKLETON, 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 (%)
BABE	- -	32	29	**32**	**56.0**	11.3
NICK	- -	36	29	**31**	55.5	11.5
EDEN	- -	30	27	**30**	**56.2**	12.0
WA008113	- -			**28**	**55.8**	11.1
WAKANZ	- -	31	26	27	52.6	12.1
EDEN +25%	- -		25	27	**56.4**	12.4
JD +25%	- -		27	27	**56.8**	12.2
WHIT	- -	32	26	26	54.6	12.0
WA008107	- -			26	**55.7**	12.1
ZAK	- -	30	26	25	54.7	13.3
JD	- -	30	25	25	**55.8**	13.6
WA008089	- -	31	25	25	55.3	11.6
ALPOWA	- -	27	23	24	55.3	11.8
WA008106	- -		25	24	**56.4**	11.1
WA008105	- -			24	**55.8**	11.7
WA008110	- -			23	54.6	12.8
WA008124	- -			23	54.9	12.4
LOUISE	- -	30	24	22	53.3	11.3
IDO669	- -			22	54.4	12.1
IDO599	- -			20	54.9	11.8
IDO671	- -			20	**56.0**	11.3
ALTURAS	- -	26	24	19	55.3	11.1
DIVA	- -	26	22	19	52.7	12.3
CATALDO	- -	24	18	16	54.4	12.3
C.V. %	- -	14	14	14	1.7	3.7
LSD '@ .10'	- -	3	3	5	1.3	0.6
Average	- -	30	25	24	55.1	12.0
Highest	- -	36	29	32	56.8	13.6
Lowest	- -	24	18	16	52.6	11.1

Bickleton Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Bickleton soft white spring wheat trial averaged 24 bushels/acre, 6 bushels/ acre lower than the 3-year average for this site. The Bickleton nursery was located about 4 miles east of Bickleton, WA (Steve Matsen, cooperator).
2. This nursery was seeded on 31 March, 2010 following spring wheat. Seed was placed at a 60#/ acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 30#N/acre and an early spring soil test showed an additional 99#N/acre in the top 4 foot profile. Spring seeding conditions were good and stripe rust was minimal, but moisture was limiting during grain filling.
3. Yields ranged from 16 bu/ac to 32 bu/ac and differences were highly significant. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 24 entries are in this group. Babe was the highest yielding variety. The lattice RCBD experimental design improved variation allocation during statistical analysis by 30% for yield.
4. Test weights were poor averaging 55.1 lb/bu and ranged from 52.6 to 56.8 lb/bu. Grain protein averaged 12.0% with a range of 11.1 to 13.6%.