

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

Variety Name *Club Italized	5 YEAR AVERAGE (BU/A)	3 YEAR AVERAGE (BU/A)	2 YEAR AVERAGE (BU/A)	2010			
				YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)	PLANT HT
NICK	53	54	53	50	54.9	12.4	33
BABE		53	53	46	55.8	12.5	34
WAKANZ	52	52	50	43	52.4	13.6	32
EDEN	51	51	49	42	56.1	12.7	34
WHIT	51	53	50	42	51.2	13.7	33
WA008113				41	52.8	12.8	36
IDO599				41	53.2	13.5	35
ALPOWA	49	49	47	39	53.7	13.8	35
DIVA		52	49	39	52.9	12.9	37
WA008105				39	53.7	13.5	32
WA008124				39	53.6	13.9	35
EDEN +25%			44	38	53.0	13.9	34
JD		50	47	37	54.2	14.3	38
IDO669				37	54.0	13.4	37
CATALDO	47	46	44	36	51.7	13.4	32
WA008107				36	52.3	13.8	34
WA008110				35	52.5	15.0	33
ZAK	48	48	46	34	52.6	14.8	34
WA008089		48	46	34	52.2	13.5	36
LOUISE	51	50	47	33	50.2	13.8	37
ALTURAS	49	49	46	33	51.2	13.6	34
WA008106			44	33	53.2	13.4	39
JD +25%			44	33	52.7	14.2	36
IDO671				31	50.9	13.2	32
C.V. %	8	9	11	12	3.8	6.5	4
LSD '@ .10'	2	3	5	7	2.8	1.2	2
Average	50	50	47	38	53.0	13.6	35
Highest	53	54	53	50	56.1	15.0	39
Lowest	47	46	44	31	50.2	12.4	32

Mayview Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Mayview soft white spring wheat trial averaged 38 bushels/acre, 12 bushels/acre lower than the 5-year average for this site. The Mayview nursery was located about four miles south of Lower Granite Dam on the Snake River, or 12 miles northeast of Pomeroy, WA (R.&R. Koller, cooperators).
2. This nursery was seeded on 16 April, 2010 following winter wheat. Seed was placed at a 70#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 70#N/acre and an early spring soil test showed an additional 106#N/acre in the top 4 foot profile. Spring seeding and growing conditions were good, but early growth potential did not make yield because of dry conditions during grain filling. There was low stripe rust.
3. Yields ranged from 31 bu/ac to 50 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 2 of the 24 entries are in this group. Nick was highest yielding variety. The lattice RCBD experimental design improved variation allocation during statistical analysis by 84% for yield.
4. Test weights were very low averaging 53.0 lb/bu and ranged from 50.2 to 56.1 lb/bu. Grain protein was high and averaged 13.6% with a range of 12.4 to 15.0%. The average plant height was 35 inches.