

2010 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT FARMINGTON, 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	HEAD DATE
<i>JD</i>		87	102	105	61.4	10.0	44	179
WA008110				105	60.0	9.3	40	180
<i>JD +25%</i>			100	104	61.4	10.2	45	178
BABE		88	101	102	60.0	9.1	41	179
WA008124				101	60.1	8.7	41	181
<i>EDEN +25%</i>			96	99	61.0	9.1	40	178
WAKANZ	88	82	94	97	59.5	10.1	39	180
LOUISE	90	83	95	96	59.9	9.1	44	178
<i>EDEN</i>	88	84	94	96	60.7	9.2	41	178
DIVA		87	98	95	60.1	8.8	43	178
WA008106			95	95	60.6	9.8	45	178
WA008113				95	60.9	9.2	43	179
IDO599				95	59.2	9.3	40	179
IDO671				94	59.8	9.2	41	178
WA008089		83	94	93	60.9	9.3	41	179
ALPOWA	85	80	90	91	59.7	9.2	40	178
ALTURAS	83	77	91	91	59.9	9.0	40	179
WA008107				90	59.8	10.3	41	177
IDO669				89	60.2	9.4	45	180
WHIT	83	78	89	86	59.8	9.7	39	177
ZAK	82	78	85	84	58.8	9.7	40	180
WA008105				83	59.3	8.9	39	179
NICK	81	74	79	71	59.2	9.7	40	177
CATALDO	75	65	72	68	58.8	10.0	38	177
C.V. %	6	5	5	6	0.8	5.3	4	0
LSD '@ .10'	3	3	4	7	0.6	0.7	2	1
Average	84	80	92	93	60.0	9.4	41	179
Highest	90	88	102	105	61.4	10.3	45	181
Lowest	75	65	72	68	58.8	8.7	38	177

Farmington Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Farmington soft white spring wheat trial averaged 93 bushels/acre, 9 bushels/acre higher than the 5-year average for this site. The Farmington nursery was located about one mile south of Farmington, WA (Bruce Nelson, cooperator).
2. This nursery was seeded on 24 March, 2010 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base applied fertilizer was 115#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 there was some water stress and stripe rust late in the season.
3. Yields ranged from 68 bu/ac to 105 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 6 of the 24 entries are in this group. The club variety JD was the highest yielding entry. The lattice RCBD experimental design improved variation allocation during statistical analysis by 342% for yield.
4. Test weights were good averaging 60.0 lb/bu and ranged from 58.8 to 61.4 lb/bu. Grain protein averaged 9.4% with a range of 8.7 to 10.3%. The average plant height was 41 inches.