

2010 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT DAYTON, 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
WAKANZ	63	57	55	63	55.5	11.9	35	172
<i>JD +25%</i>			51	60	57.4	12.2	40	171
<i>EDEN +25%</i>			50	58	57.9	11.5	37	169
<i>EDEN</i>	57	50	48	57	57.9	11.3	37	169
BABE		51	49	56	55.8	11.2	36	168
<i>JD</i>		52	48	55	56.7	12.0	40	172
DIVA		53	48	54	55.9	11.4	38	169
IDO671				54	57.0	11.0	35	167
ALTURAS	55	49	47	53	56.1	11.5	35	167
WA008089		50	47	53	56.3	11.3	39	172
WHIT	57	51	45	51	54.4	11.6	36	166
WA008124				51	55.2	12.7	36	173
LOUISE	58	51	46	50	54.9	11.6	39	170
ALPOWA	54	47	42	49	55.5	11.6	35	169
NICK	58	51	47	49	55.2	11.5	35	166
IDO599				49	55.9	11.9	35	167
WA008106			43	48	56.9	11.4	40	168
WA008110				48	55.4	13.0	35	174
WA008105				47	55.6	11.7	34	168
WA008107				47	55.8	12.0	37	168
WA008113				46	56.9	11.3	37	173
ZAK	56	48	44	43	56.2	12.4	35	174
CATALDO	49	41	38	41	55.0	12.0	34	165
IDO669				40	56.4	12.0	38	172
C.V. %	7	7	8	9	1.2	2.5	3	1
LSD '@ .10'	2	3	4	6	0.9	0.4	1	1
Average	56	50	47	51	56.1	11.8	37	170
Highest	63	57	55	63	57.9	13.0	40	174
Lowest	49	41	38	40	54.4	11.0	34	165

Dayton Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Dayton soft white spring wheat trial averaged 51 bushels/acre, 5 bushel/acre lower than the 5-year average. The Dayton nursery was located 6 miles north of Dayton, WA (Jay Penner, cooperator).
2. This nursery was seeded on 19 March, 2010 following winter wheat. Seed was placed at an 80#/acre seeding rate using a double disk plot drill set on 6-inch spacing. Base fertilizer was 100#N/acre. Spring seeding conditions were good, but early spring conditions were dry until unusually prolific rainfall started in May. At the field tour for this location, on June 29, the leaves of susceptible varieties were covered with stripe rust and enough spores were shed to color the soil reddish. This severe stripe rust infestation reduced yields and test weights.
3. Yields ranged from 40 bu/ac to 63 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. Wakanz was the highest yielding named variety and the club varieties followed. The lattice RCBD experimental design improved variation allocation during statistical analysis and the CV by 9% for yield.
4. Test weights were low due to stripe rust and averaged 56.1 lb/bu and ranged from 54.4 to 57.9 lb/bu. Grain protein averaged 11.8% with a range of 11.0 to 13.0%. The average plant height was 37 inches.