

2010 WSU EXTENSION SOFT WHITE SPRING WHEAT NURSERY AT COLFAX, 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
<i>JD</i>	--	--	--	85	61.4	11.6	42
<i>JD +25%</i>	--	--	--	76	60.9	11.5	41
WA008124	--	--	--	71	58.4	11.9	38
WA008106	--	--	--	70	60.8	10.8	42
WA008089	--	--	--	68	60.0	10.4	38
WAKANZ	--	--	--	64	58.1	10.9	34
WA008110	--	--	--	64	58.5	12.2	35
IDO669	--	--	--	64	59.2	11.8	39
DIVA	--	--	--	63	58.4	11.4	37
IDO671	--	--	--	63	59.6	11.2	37
ALTURAS	--	--	--	62	58.9	11.7	36
<i>EDEN</i>	--	--	--	60	59.9	10.7	35
LOUISE	--	--	--	59	57.1	11.3	37
<i>EDEN +25%</i>	--	--	--	59	59.8	11.3	34
IDO599	--	--	--	58	58.9	11.4	37
BABE	--	--	--	57	59.7	10.4	35
WA008113	--	--	--	57	59.4	11.4	37
WA008107	--	--	--	55	59.8	11.5	36
WHIT	--	--	--	52	58.5	11.5	36
WA008105	--	--	--	49	57.3	10.9	35
ALPOWA	--	--	--	47	58.6	11.0	34
ZAK	--	--	--	47	57.9	11.6	34
CATALDO	--	--	--	44	58.6	11.4	35
NICK	--	--	--	43	57.5	11.4	36
C.V. %	--	--	--	10	1.7	5.5	4
LSD '@ .10'	--	--	--	8	1.4	0.9	2
Average	--	--	--	60	59.1	11.3	37
Highest	--	--	--	85	61.4	12.2	42
Lowest	--	--	--	43	57.1	10.4	34

1. Grain yield in the Colfax soft white spring wheat trial averaged 60 bushels/acre and this was the first year for this location. The Colfax nursery was located about 3 miles west of Palouse between Colfax and Palouse (Craig Walters, cooperator).

2. This nursery was seeded on 15 April, 2010 following chickpea. Seed was placed at an 80#/acre seeding rate using a no-till drill equipped with Cross-Slot openers set on 10-inch spacing. Base applied fertilizer was 20#N/acre and an early spring soil test showed an additional 230#N/acre in the top 4 foot profile. Spring seeding and growing conditions were good, but stripe rust was severe, especially for susceptible cultivars.

3. Yields ranged from 43 bu/ac to 85 bu/ac. Yield values within the LSD range of the highest yield are shown in bold and 1 of the 24 entries are in this group. The club variety JD was highest yielding. The lattice RCBD experimental design improved variation allocation during statistical analysis by 177% for yield.

4. Test weights averaged 59.1 lb/bu and ranged from 57.1 to 61.4 lb/bu. Grain protein averaged 11.3% with a range of 10.4 to 12.2%. The average plant height was 37 inches.