

2011 WSU Variety Testing SW Spring Wheat Trial, Fairfield

| Variety Name *Club Italized | 5 YEAR AVERAGE (BU/A) | 3 YEAR AVERAGE (BU/A) | 2 YEAR AVERAGE (BU/A) | 2011 | | | |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------|---------------------|----------------|-------------|
| | | | | YIELD (BU/A) | TEST WT (LBS/BU) | PROTEIN (%) | PLANT HT |
| Whit | -- | -- | -- | 62 | 60.8 | 9.4 | 35 |
| Louise-G2 | -- | -- | -- | 59 | 61.2 | 9.9 | 38 |
| Babe | -- | -- | -- | 58 | 60.6 | 8.9 | 35 |
| JD | -- | -- | -- | 58 | 62.7 | 10.2 | 37 |
| Louise | -- | -- | -- | 55 | 61.3 | 10.1 | 38 |
| IDO687 | -- | -- | -- | 54 | 61.7 | 9.5 | 35 |
| Diva | -- | -- | -- | 53 | 61.8 | 10.1 | 36 |
| IDO644 | -- | -- | -- | 53 | 59.7 | 9.1 | 32 |
| Alturas | -- | -- | -- | 52 | 60.4 | 9.5 | 34 |
| WA 8131 | -- | -- | -- | 52 | 61.0 | 10.7 | 29 |
| IDO671 | -- | -- | -- | 49 | 60.7 | 9.6 | 34 |
| WA 8128 | -- | -- | -- | 49 | 61.9 | 10.4 | 37 |
| IDO686 | -- | -- | -- | 48 | 62.3 | 9.9 | 37 |
| Wakanz | -- | -- | -- | 47 | 59.4 | 10.6 | 32 |
| WA 8127 | -- | -- | -- | 47 | 61.2 | 10.4 | 35 |
| Nick | -- | -- | -- | 46 | 60.0 | 9.5 | 32 |
| Alpowa | -- | -- | -- | 45 | 60.3 | 9.2 | 32 |
| Eden | -- | -- | -- | 45 | 62.4 | 10.6 | 30 |
| WA 8124 | -- | -- | -- | 45 | 61.2 | 10.0 | 35 |
| Zak | -- | -- | -- | 44 | 60.5 | 10.4 | 33 |
| UI-Cataldo | -- | -- | -- | 43 | 60.2 | 9.9 | 33 |
| WA 8149 | -- | -- | -- | 43 | 59.7 | 9.6 | 34 |
| WB-1035CL2 | -- | -- | -- | 42 | 59.6 | 11.1 | 32 |
| WA 8150 | -- | -- | -- | 40 | 61.5 | 10.1 | 32 |
| CV | -- | -- | -- | 9 | 0.6 | 2.4 | 5 |
| LSD | -- | -- | -- | 5 | 0.4 | 0.2 | 2 |
| Average | -- | -- | -- | 50 | 60.9 | 9.9 | 34 |
| Highest | -- | -- | -- | 62 | 62.7 | 11.1 | 38 |
| Lowest | -- | -- | -- | 40 | 59.4 | 8.9 | 29 |

Fairfield Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Fairfield soft white spring wheat trial averaged 50 bushels/acre. The Fairfield nursery was located about four miles northwest of Fairfield, WA (Loney Green, cooperator). This was a new location with no data for the previous five years.
2. This nursery was seeded on 2 May, 2011 following winter wheat. Seed was placed at an 80#/acre seeding rate using a no-till plot drill set on 10-inch spacing. Base fertilizer was applied through the drill at 100 #N/acre. Spring seeding was late, but establishment was good.
3. Yields ranged from 40 bu/acre to 62 bu/acre. Yield values within the LSD range of the highest yield are shown in bold and 4 of the 24 entries are in this group. Whit was the highest yielding entry. Stripe rust was a factor in this trial but no fungicide was applied. There appears to be 25% or more effect on yield by stripe rust for susceptible entries. The Lattice design was 160% efficient compared to an RCBD for yield.
4. Test weights were good and averaged 60.9 lb/bu and ranged from 59.4 to 62.7 lb/bu. Grain protein was good and averaged 9.9% with a range of 8.9 to 11.1%. The average plant height was 34 inches with no lodging.