

2011 WSU Variety Testing SW Spring Wheat Trial, Pullman

| 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 | HEAD DATE |
| JD | 77 | 78 | 78 | 79 | 62.9 | 8.1 | 37 | 186 |
| Diva | | 67 | 64 | 77 | 62.2 | 8.7 | 36 | 186 |
| WA 8128 | | | | 76 | 63.0 | 8.4 | 36 | 184 |
| WA 8124 | | | 73 | 75 | 62.0 | 7.1 | 35 | 189 |
| Louise-G2 | | | | 74 | 61.6 | 7.4 | 37 | 186 |
| Louise | 73 | 68 | 62 | 73 | 61.9 | 8.0 | 36 | 186 |
| Alturas | 71 | 69 | 64 | 70 | 61.7 | 8.5 | 31 | 186 |
| WA 8127 | | | | 69 | 62.4 | 8.2 | 32 | 185 |
| WA 8150 | | | | 68 | 62.2 | 7.4 | 33 | 187 |
| Wakanz | 67 | 61 | 54 | 67 | 61.5 | 8.0 | 32 | 187 |
| WA 8149 | | | | 67 | 61.1 | 7.2 | 32 | 187 |
| IDO686 | | | | 67 | 62.6 | 7.8 | 34 | 185 |
| IDO687 | | | | 67 | 62.8 | 7.7 | 31 | 186 |
| Eden | 70 | 64 | 57 | 66 | 61.8 | 7.5 | 31 | 184 |
| WA 8131 | | | | 66 | 62.1 | 8.9 | 29 | 186 |
| Whit | 67 | 61 | 55 | 65 | 61.5 | 7.2 | 31 | 184 |
| IDO644 | | | | 63 | 60.7 | 6.9 | 30 | 183 |
| Babe | 70 | 63 | 56 | 62 | 61.9 | 8.0 | 32 | 184 |
| Alpowa | 68 | 61 | 52 | 61 | 62.6 | 7.2 | 33 | 188 |
| IDO671 | | | 58 | 61 | 61.6 | 8.0 | 32 | 185 |
| Zak | 60 | 56 | 46 | 58 | 62.0 | 8.5 | 32 | 186 |
| UI-Cataldo | 61 | 55 | 46 | 55 | 61.1 | 8.9 | 30 | 183 |
| Nick | 60 | 51 | 38 | 45 | 60.6 | 7.9 | 29 | 184 |
| WB-1035CL2 | | | | 45 | 61.5 | 9.6 | 30 | 183 |
| C.V. | 11 | 11 | 9 | 8 | 0.8 | 8.1 | 3 | 0 |
| LSD | 3 | 4 | 4 | 7 | 0.5 | 0.7 | 1 | 1 |
| Average | 68 | 63 | 57 | 66 | 61.9 | 8.0 | 33 | 185 |
| Highest | 77 | 78 | 78 | 79 | 63.0 | 9.6 | 37 | 189 |
| Lowest | 60 | 51 | 38 | 45 | 60.6 | 6.9 | 29 | 183 |

Pullman Soft White Spring Wheat – Preliminary Data

1. Grain yield in the Pullman soft white spring wheat trial averaged 66 bushels/acre, similar to the 5-year average. The Pullman nursery was located at WSU Spillman experimental farm about two miles south of Pullman, WA (Ryan Davis, farm manager). This trial was conducted in cooperation with the spring wheat breeding program.
2. This nursery was seeded on 24 April, 2011 following winter wheat. Seed was placed at a 90#/acre seeding rate using a double-disc drill set on 6-inch spacing. Base fertilizer was 70 #N/acre applied. Spring seeding was late, but establishment was good.
3. Yields ranged from 45 bu/acre to 79 bu/acre. 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 JD was the highest yielding entry in 2011 and was also the highest yielding over 5 years of results at this site. Stripe rust was a factor in this trial and no fungicide was applied. There was an impact on yield by stripe rust with yields reduced by 25% or more for susceptible entries. The Lattice design was 108% efficient compared to an RCBD for yield.
4. Test weights were good averaging 61.9 lb/bu and ranged from 60.6 to 63.0 lb/bu. Grain protein averaged 8.0% with a range of 6.9 to 9.6%. The average plant height was 33 inches with no lodging.