# 2009 WSU EXTENSION HARD SPRING WHEAT NURSERY AT LIND, WA.

| Variety Name *HDWH Italized | 5 YEAR AVERAGE (BU/A) | 3 YEAR AVERAGE (BU/A) | 2 YEAR AVERAGE (BU/A) | 2009 YIELD (BU/A) | 2009 TEST WT (LBS/BU) | 2009 PROTEIN (%) | 2009 PLANT HT | 2009 HEAD DATE |
|---|---|---|---|---|---|---|---|---|
| *WA008100* | | | | **27** | 61.5 | 13.9 | 25 | 161 |
| **SCARLET** | 25 | 22 | 21 | **26** | 60.1 | 16.1 | 24 | 158 |
| *WA008079* | | | | **26** | 61.3 | 14.0 | 26 | 157 |
| *BZ903-445WP* | | | | **26** | 60.8 | 14.8 | 22 | 156 |
| **KELSE** | | 21 | 21 | 25 | 61.3 | 16.4 | 26 | 157 |
| **LASSIK** | | | | 25 | 61.6 | 14.6 | 20 | 157 |
| *WA008101* | | | | 25 | 61.0 | 13.4 | 24 | 155 |
| *MACON* | | | | 24 | 61.0 | 14.2 | 21 | 155 |
| *OTIS* | | | | 24 | 61.5 | 14.2 | 25 | 158 |
| *WA008078* | | | | 24 | 60.8 | 14.5 | 23 | 156 |
| **HANK** | 24 | 20 | 19 | 23 | 61.1 | 15.7 | 20 | 154 |
| *CLEAR WHITE* | | | | 23 | 61.5 | 13.5 | 19 | 152 |
| **WA008076** | | | | 23 | 61.7 | 14.9 | 26 | 153 |
| **WA008074** | | | | 23 | 61.4 | 15.1 | 21 | 154 |
| **HOLLIS** | 23 | 19 | 19 | 22 | 61.2 | 15.5 | 26 | 157 |
| **JEDD** | | 19 | 18 | 22 | **62.3** | 14.9 | 18 | 154 |
| **VOLT** | | 19 | 18 | 22 | 61.9 | 14.3 | 20 | 157 |
| *RSI10348W* | | | | 22 | 61.4 | 14.2 | 18 | 154 |
| **BULLSEYE** | | | 19 | 22 | **62.6** | 15.4 | 19 | 156 |
| **WA008072** | | | | 22 | 60.9 | 15.7 | 22 | 153 |
| **TARA 2002** | 22 | 18 | 18 | 21 | 59.3 | 15.5 | 22 | 154 |
| **WA008027** | | 20 | 19 | 21 | 60.0 | 16.5 | 26 | 157 |
| **UI WINCHESTER** | | | 18 | 21 | 61.4 | 15.3 | 19 | 153 |
| **WA008075** | | | | 21 | 61.3 | 16.0 | 23 | 153 |
| **OR4990114** | | | | 21 | 61.6 | 15.5 | 21 | 154 |
| **JEFFERSON** | 23 | 19 | 18 | 20 | 61.0 | 16.2 | 21 | 155 |
| **WESTBRED 926** | 21 | 17 | 16 | 20 | 60.2 | 15.7 | 20 | 154 |
| **BUCK PRONTO** | 21 | 18 | 17 | 20 | 60.2 | 16.5 | 20 | 152 |
| **NPBHR70** | | | 17 | 20 | 60.6 | 16.1 | 21 | 155 |
| *BLANCA GRANDE* | | | | 19 | 61.6 | 14.8 | 17 | 152 |
| **C.V. %** | 7 | 7 | 7 | 7 | 0.6 | 1.8 | 5 | 1 |
| **LSD '@ .10'** | 1 | 1 | 1 | 2 | 0.5 | 0.4 | 1 | 1 |
| **Average** | 23 | 19 | 18 | 23 | 61.1 | 15.1 | 22 | 155 |
| **Highest** | 25 | 22 | 21 | 27 | 62.6 | 16.5 | 26 | 161 |
| **Lowest** | 21 | 17 | 16 | 19 | 59.3 | 13.4 | 17 | 152 |

1. Grain yield in the Lind hard spring wheat trial averaged 23 bu/ac, equal to the average 5-year yield for this location. The Connell spring nursery was located about 3 miles northeast of Lind, WA on the WSU Lind Dryland Research Station.
2. This nursery was seeded on 19 March, 2009 following summer fallow. Seed was placed at a 60#/acre seeding rate using a double disc plot drill set on 6-inch spacing. No fertilizer was applied based on soil tests that showed adequate fertility. Spring seeding conditions were adequate and some spring rain made the outlook good for the spring crop until heading, when lack of moisture limited yield. The alpha lattice experimental designs improved variation allocation during statistical analysis and the CV by 26% compared to an RCBD design.
3. Yields ranged from 19 bu/ac to 27 bu/ac, with a CV of 7%. Yield values within the LSD range of the highest yield are shown in bold and 5 of the 30 entries are in this group. Hard white entries are listed in italicized print.
4. Test weights were good with an average of 61.1 lb/bu. Grain protein averaged 15.1% with a range of 13.4% to 16.5% and is high due to the yield level and the available N at this site. The average plant height was 22 inches.