

# **Report of the 2013 Uniform Regional Scab Nursery for Spring Wheat Parents**

**Coordinator:** David F. Garvin  
USDA-ARS, Plant Science Research Unit  
411 Borlaug Hall, University of Minnesota  
1991 Upper Buford Circle, St. Paul, MN 55108

**Report prepared by:** David F. Garvin and Zachary Blankenheim

The Uniform Regional Scab Nursery for Spring Wheat Parents (URSN) was grown for the 18th year in 2013. Three locations (Brookings, SD, and St. Paul and Crookston, MN) were planted.

A total of 23 entries were included in the 2013 URSN, in addition the resistant checks 2375, BacUp, and ND2710, and the susceptible checks Wheaton and Oslo. The entries were contributed by 5 university and industry breeding programs.

A core set of traits evaluated provided from locations included Fusarium head blight (FHB) incidence, FHB severity, disease index (incidence x severity), visual scabby kernel ratings (VSK  $\cong$  tombstone) and grain deoxynivalenol content. Yield and heading dates are presented in individual location summary tables for locations where they were measured. Overall means for traits over locations are presented, as are relative rankings for incidence, severity, disease index, VSK and DON. Correlation coefficients are provided between incidence, severity, disease index, and VSK. Molecular marker genotypes for a set of FHB resistance QTLs and other traits are provided for entries. Adult plant leaf and stem rust reactions are also presented.

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## **Cooperators for the 2013 Uniform Regional Scab Nursery for Spring Wheat Parents**

### **South Dakota State University (Brookings):**

Karl Glover

### **University of Minnesota (St. Paul, Crookston):**

Jim Anderson and Ruth Dill-Macky

### **USDA-ARS, Cereal Crops Research Unit (Fargo, ND):**

Shiaoman Chao

### **USDA-ARS, Cereal Disease Laboratory (St. Paul, MN):**

Jim Kolmer, Yue Jin