

NEW VARIETIES FOR 2009

INTRODUCTION

Following is a brief description of newly released varieties for 2009. Two new wheat varieties will be distributed by MCIA, **Sabin** from the Minnesota Agricultural Experiment Station and **Brick** from the South Dakota Agricultural Experiment Station. South Dakota is also releasing two oat varieties **Colt** and **Streaker** and is expecting to release two soybean varieties **SD02-833** and **SD02-22**. Minnesota also released **MN1701CN soybean**. We have allocated seed of Sabin and Brick to the Minnesota Approved Seed Conditioners & Marketing Association (MASCMA). There is a limited amount of seed of the other new varieties. Conditioners may request seed directly from MCIA. A variety development fee will be assessed on all these new varieties.

Sabin Spring Wheat

Sabin, tested as MN03358-4, is a medium maturity hard red spring wheat with good scab tolerance. Developed by the University of Minnesota, the pedigree of Sabin is (MN98389/MN97518). In testing, Sabin has consistently been above average in grain yield (Table 1) with excellent performance in southern locations. It has good test weight and protein. The heading date of Sabin is similar to Freyr. It is average in height with medium straw strength. Sabin has the Sumai 3 source for scab resistance rating of 4 (on 1-9 scale), similar to Faller and Freyr. It is resistant to stem rust, with moderate resistance to leaf rust and moderate resistance to other leaf diseases (Table 2).

Brick Spring Wheat

Brick tested as SD3851, is an early hard red spring wheat with high yield potential (Table 1). Brick released by South Dakota has a pedigree of (SD3367/SD3618//SD3348). The heading date for Brick is 1-2 days earlier than Briggs, it is similar in height to Glenn with medium straw strength. It has high test weight and good protein (Table 3). Brick has good scab tolerance, using the Sumai 3 source; with good resistance to stem and leaf rust (Table 2).

Colt Oats

Colt tested as SD020883-29 is an early oat variety released by South Dakota. In regional testing Colt was slightly lower yielding than Kame, however in Minnesota and South Dakota locations Colt was equal to or better than Kame. Colt headed 1-2 days earlier than Kame was similar in height with slightly better lodging scores. Colt is a white oat with higher test weight. Crown rust rating for Colt is better than Kame with a comparable rating for Barley yellow dwarf virus. Requests for seed and more information can be made directly to the MCIA Foundation seed program.

Streaker Oats

Streaker is a hull-less oat variety released by South Dakota. In South Dakota trials it is 1-2 days later than Buff with higher yield. The test weight and protein levels are slightly higher than Buff. Streaker is 2-3 inches taller than Buff with fair lodging resistance. Compared to Buff, Streaker has more tolerance to crown rust and barley yellow dwarf virus. Requests for seed and more information can be made directly to the MCIA Foundation seed program.

MN1701CN Soybean

MN1701CN tested as (M00-114140) is a maturity group 1.7 conventional SCN resistant soybean line. The resistance to SCN in MN1701CN is derived from PI88788 and PI209332. MN1701CN has excellent yield in both SCN infested and non-infested soils. The phytophthora resistance of MN1701CN is undetermined. Tolerance to iron deficiency chlorosis is average and lodging resistance is fair. MN1701CN has white flowers, tawny pubescence and yellow hilum with average protein and oil content. Contact MCIA for more information or to request seed.

SD02-833 and SD02-22 Soybeans

South Dakota expects to release SD02-833, a 1.1 maturity bean and SD02-22 is a 2.2 maturity soybean. Both varieties have imperfect black hilum. Contact MCIA for more information or to request seed.