

## NEW VARIETIES FOR 2008

### INTRODUCTION

Following is a brief description of newly released varieties from the Minnesota Agricultural Experiment Station. MCIA increased and will distribute these new varieties: **Tom spring wheat, Rasmusson barley and MN0105 soybeans**. Where possible, seed allocations will be made through your local County Seed Distribution Committee or the Minnesota Approved Seed Conditioners & Marketing Association (MASCMA). Additional information on these new releases will be mailed to eligible members later this winter. A variety development fee will be assessed on seed sold of these new varieties.

#### **Tom Spring Wheat**

Tom, tested as MN01311-A-1, is a mid-maturity hard red spring wheat with good scab tolerance. The pedigree of Tom is 97T-1003(Verde/Sonja)/Verde. In testing, Tom has consistently been above average in grain yield especially in northern locations (Table 1). The heading date of Tom is similar to Freyr. It is average in height with medium straw strength. Tom has moderate resistance to scab, similar to Freyr (Table 2). It is resistant to the Ug99 race of stem rust and moderately resistant to prevalent races of leaf rust and other leaf diseases. Tom has good test weight and protein and is resistant to pre-harvest sprouting with good falling numbers (Table 3). Released by the Minnesota Agricultural Experiment Station (MAES), a variety development fee will be assessed on seed sold.

The name 'Tom' was chosen to honor the contributions to the wheat industry by Tom Anderson, who passed away in 2007. Tom was a visionary leader for agriculture at the local, regional, and national levels. He farmed near Barnesville, MN, served as co-chair of the U.S. Wheat and Barley Scab Initiative and as a grower representative on numerous research and search committees.

#### **Rasmusson Barley**

Rasmusson tested as M109 is a high yielding (Table 4) six-rowed malting barley variety. It is currently undergoing a second year of quality testing by the malting and brewing industry. Preliminary test results for malting and brewing were favorable. Rasmusson has lower grain protein and higher malt extract (Table 5) compared to current varieties grown in the region. Yields for Rasmusson have equaled or exceeded other varieties in three years of testing. It is slightly shorter than other varieties and has good lodging resistance. Rasmusson has a similar disease profile to all the other current Midwest varieties. Released by the MAES, a variety development fee will be assessed on seed sold.

The variety is named in honor of retired Minnesota barley breeder Don Rasmusson. Don was known around the world for his efforts in barley breeding. His varieties improved yields for producers and were widely used in the brewing industry.

#### **MN0105 Soybean**

A small amount of MN0105 soybean will be available for distribution. MN0105 soybean is a 0.1 maturity conventional soybean line that carries the Rps1c gene for phytophthora resistance. It has very good yield potential. It is approximately 2 days later than Traill and slightly taller. MN0105 has good iron chlorosis tolerance. This variety has a yellow hilum and good protein content.

#### **Questions or Comments**

Please contact MCIA, 1-800-510-6242, if you have any questions or comments