



Missouri Crop Improvement Association News and Notes

November – 2018

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MCIA's News and Notes is designed to provide members and other interested individuals with information about MCIA programs and services, as well as timely access to information that impacts the seed industry and agriculture in general. Our format is structured to provide a brief introduction to topics of interest along with contact information or links to sources where you can obtain more detailed information. Many of the articles and items listed in this newsletter contain web addresses or hyperlinks by which you can obtain additional information. If you do not have internet access and would like additional information on any of the topics mentioned in this newsletter, please contact the MCIA office and we will forward you the information. Please feel free to contact the MCIA office if you have questions or suggestions for items to be included in future issues.

Happy Thanksgiving

During this season of thanksgiving, we want to express our heartfelt gratitude to everyone we have had the privilege of working with throughout the year. While it seems that each year the challenges are greater and greater, we consider ourselves truly blessed to have the opportunity to work with each of you towards the common goal of providing the best seed to serve our customers and meet the food, feed, fiber and fuel needs of a growing global population. From all of us at the MCIA office, best wishes for a wonderful Thanksgiving holiday and joyous holiday season.

2017-18 Soybean and 2018 Wheat Royalty Refunds Deadline

It is the time of year when MCIA is in the process of reconciling and closing out the royalty accounts for soybeans and wheat. You may be eligible for a refund of royalties paid for soybean and/or wheat seed that you were unable to sell in 2017-18. In order to receive a refund, please return any unused tags/labels to the MCIA office no later than November 30 and indicate the number of tags/labels returned for each variety. **MCIA will not count your tags and labels for you.** Tags/labels received after the November 30 deadline **will not** be eligible to receive a credit due to the fact that many genetics suppliers have moved up their deadlines for reporting and paying royalties.

REMINDER - any certified or quality assurance seed sold in bulk form should be accompanied by a bulk sales certificate. If you sold seed in bulk form without a certificate, please contact the MCIA office so we can insure the buyer receives the proper documentation. All bulk sales documentation should be submitted to the MCIA office no later than December 15.

2018 Soybean Quality Update

As of November 16, the MCIA lab has tested 406 soybean samples with an average germination of 88.11%. Visual quality is all over the map this year and with a few exceptions, much of the 2018 production tested so far is not going to win any beauty contests. The good news is that we are still seeing less mechanical damage than in 2017. The not so good news is that more samples are showing seed borne molds and disease (mostly phomopsis).

For those producers that have preliminary samples showing lower than expected germination results, MCIA's seed testing lab offers optional sand germination and lab treated germination services. In some instances, we have seen higher sand germination results in samples with light seed borne infections and no mechanical damage. That said, we have also seen lower sand germination results in samples with severe disease infections and/or high mechanical damage. Lab treated germination testing can show the response of a sample to application of a standard fungicide treatment. MCIA is currently using a treatment package of Apron Maxx RTA. Based on past experience, we see very little, if any, difference in results when using any of the fungicide treatments currently approved for soybean in a seed testing laboratory application. Please feel free to contact the MCIA seed testing lab if you have questions or would like to discuss testing options for your 2018 soybean seed production.

Vigor Testing for Soybeans

There are basically two types of vigor tests for soybean, namely a cold test or an accelerated aging (AA) test. Based on past experience, MCIA believes the AA test is a more reliable and repeatable tool for measuring vigor and predicting storability for soybeans than a cold test. We offer the AA test in house and can accommodate requests for cold tests through one of our partnerships with other seed testing labs.

AA tests should be conducted in conjunction with and compared to the results from a normal warm germination exam. High vigor lots should not exhibit more than a 5-10% spread between the 2 tests. Spreads over 10% indicate that the vigor level is dropping and the higher the spread, the lower the vigor. Please contact the MCIA office if you have questions or would like to discuss vigor testing in greater detail.

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2019 Spring Seed Directory

We have already received a few inquiries at the MCIA office from producers looking for information on availability and sources of soybean seed for 2019 planting. We have received all but a few inspection reports and are in the process of compiling the information for the seed directory. Our intent is to have the final 2019 spring seed directory posted online by mid-December and a distributed via email to all MCIA active, affiliate and associate members with the January newsletter mailing. If anyone needs information with regard to availability and sources of seed prior to receiving your copy of the seed directory, please feel free to contact the MCIA office and we will be happy to provide you with the information you need

Variety Testing Performance Results

Results from the University of Missouri's 2018 performance testing for corn and soybean are available via the internet at <http://varietytesting.missouri.edu/> or via a link under the Variety Trials tab on MCIA's website (www.mocrop.org). Feel free to contact the MCIA office if you would like to receive a printed copy once they become available.

Links to Items of Interest

- Wheat that Pumps Iron – Naturally <https://seedworld.com/wheat-that-pumps-iron-naturally/>
- Simplifying Moisture Measurement to Improve Quality and Profitability of Grain <https://bulkininside.com/simplifying-moisture-measurement/>
- How Climate Change Could Cause Global Beer Shortages <https://www.sciencedaily.com/releases/2018/10/181015113555.htm>
- Calyxt Harvest High-Fiber Wheat Field Trials <http://www.calyxt.com/calyxt-harvests-high-fiber-wheat-field-trials/>
- Understanding Enzyme Could Help Produce Frost-Resistant Crops http://www.seedquest.com/news.php?type=news&id_article=101932
- Dicamba Registration Extended <https://www.epa.gov/newsreleases/epa-announces-changes-dicamba-registration>
- Warm-season Grass Leaps in First Year <https://extension2.missouri.edu/news/warm-season-grass-leaps-in-first-year-3744>
- MU Extension Crop Conference <https://extension2.missouri.edu/news/crop-conference-gives-updates-on-dicamba-pests-and-disease-3748>
- UF/IFAS Study May Lead to More Heat Tolerant Rice <http://blogs.ifas.ufl.edu/news/2018/10/17/uf-ifas-led-study-may-lead-to-more-heat-tolerant-rice/>

Calendar

November 22-23	MCIA Office Closed – Thanksgiving Holiday	
December 2-4	2018 Fusarium Head Blight Forum	St. Louis, MO
December 3-6	ASTA Corn, Sorghum & Soybean Research Conference	Chicago, IL
December 18-19	MU Crop Management Conference	Columbia, MO
December 24-26	MCIA Office Closed – Christmas Holiday	
January 1, 2019	MCIA Office Closed – New Year's Holiday	
January 7-10	Independent Professional Seed Association Annual Conference	Indian Wells, CA
January 18-21	Southern Seed Association Annual Convention	Scottsdale, AZ
February 1-5	ASTA 58th Vegetable & Flower Seed Conference	Orlando, FL
February 6-7	Corn Belt Seed Conference	Indianapolis, IN
February 22-24	2019 Western Farm Show	Kansas City, MO
Feb 28 – Mar 2	2019 Commodity Classic	Orlando, FL

Thanksgiving Office Hours

The MCIA office will be closed on November 22 and 23 for the Thanksgiving holiday. The office and seed lab will resume a regular schedule on Monday, November 26.

Happy Thanksgiving