



Missouri Crop Improvement Association News and Notes

Spring 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.

State of the Association, 2018 Winter Board of Directors Meeting and 2018 Annual Membership Meeting

Even with another down year for seed wheat sales, MCIA was able to post a modest profit of \$42,410.45 for FY2017. Acreage enrolled in MCIA programs increased 350 to come in at 66,540 while tagging volume decreased 8,097 to 700,947 units. The seed lab was able to operate at a small profit while revenues from contract services and outside auditing projects remained relatively stable. Looking ahead, MCIA's Board of Directors approved a balanced budget for FY2018 with no increase in fees. MCIA's 2018 annual membership meeting will be held July 30 at the MCIA office. Unlike previous years, there are no plans for plot tours and a field day at the 2018 annual meeting.

Soybean Quality Update

MCIA's seed testing laboratory has completed analysis on 2,221 soybean samples with an average germination of 87.02%, down significantly from the 92.73% reported at the same time in 2017. Germination averages have been steadily declining since harvest and a large portion of 2017 production was diverted to commercial grain due to poor germination and overall quality. As would be expected with low quality seed, vigor test results (AA) are also trending lower. We have seen a large increase in the requests for germination tests conducted in sand. With only a few exceptions (presence of phomopsis with little to no mechanical damage), we have not seen an increase in sand germination results when compared to regular rolled towel tests. Please feel free to contact the MCIA office if you have questions or concerns with regard to the quality of your 2017 soybean seed production.

2018 Small Grains Applications

Field inspection request applications for small grains and cereal crops are due at the MCIA office on April 15. We have had tremendous response to the deadline this year and a big thank you to everyone that has already submitted their applications. With that said, we are still missing applications from producers that normally have seed wheat production. MCIA will accept late applications after the deadline, however, priority for inspection will go to those producers that submitted their applications by the due date. Please submit your applications and supporting documentation as soon as possible if you have not already done so. At this point, the condition of the crop appears to be average at best in most areas, although production in SE Missouri is looking good. Please remember that all fields may be cancelled without penalty up until the time of inspection. Please feel free to contact the MCIA office if you have any questions regarding the application process or the status of your 2018 wheat production fields.

2018 Spring Seed Directory

A copy of the 2018 Missouri Spring Seed Directory is available on MCIA's web site (www.moseed.org). Please contact the MCIA office if you would like to receive additional copies of the printed version.

Foundation Soybean Seed Orders

Missouri Foundation Seeds still has availability of good quality seed for several conventional and glyphosate tolerant soybean varieties. Please contact the Missouri Foundation Seed office at (573) 884-7333 to check on availability and pricing.

REMINDER – RoundupReady® Soybean Patent Expiration and New Generation Glyphosate Tolerant Soybean Varieties

As we move into the third full production season of off-patent glyphosate tolerant soybeans, producers should be aware that expiration of the glyphosate tolerant trait patent does not automatically mean that all (or any) glyphosate tolerant soybeans will be legal to save and use for seed. First, you must differentiate between the original RoundupReady® trait and subsequent technologies such as Genuity RoundupReady 2 Yield®, Xtend and others that have active trait patent protection. Second, just because the trait patent has expired doesn't mean there aren't other patent protections in place for the variety itself or other components.

Monsanto has established a website that addresses this matter and provides a lot of basic information for producers to use when attempting to determine whether or not a particular variety of soybeans is covered by a patent. To access this site, please visit www.soybeans.com.

2018 LibertyLink® Herbicide Inspection Protocol

All production fields for commercial seed of LibertyLink® soybean varieties must comply with the quality assurance criteria contained in the Bayer CropScience LibertyLink® Soybean Quality Assurance and Stewardship Manual. There have changes with regard to the requirements for herbicide application and trait expression verification for 2018 production. These changes were distributed to licensed seed producers in early January. Please contact the MCIA office or your Bayer trait representative if you have not received this updated information. Of particular note is the requirement that all production fields of relative maturity 3.5 or later must be inspected to confirm that at least 98% of the soybean plants are tolerant. Bayer recommends, but does not require, that production fields of relative maturity earlier than 3.5 be inspected to confirm that at least 98% of the soybean plants are tolerant.

MCIA is once again assisting Bayer licensed seed producers with this portion of their quality assurance criteria. MCIA inspectors are available to assist with the herbicide tolerance evaluation inspections and file the reports or producers may perform the inspections themselves for those varieties that require a post application inspection. MCIA has a supply of Bayer approved herbicide tolerance evaluation report forms for producers that will be performing their own inspections. These forms contain instructions and procedures for conducting the inspections and reporting the results. If producers want MCIA inspectors to perform the inspections, field inspection request applications will need to be submitted immediately after planting of each production field. Additional information regarding this service will be provided in separate mailing to those companies identified as producing LibertyLink® soybean seed. Please feel free to contact the MCIA office if you have questions or need additional information regarding these inspection and reporting requirements.

Missouri Crop Improvement / Missouri Foundation Seeds 2018 Wheat Plots

Missouri Crop Improvement and Missouri Foundation Seeds will once again offer MCIA members an opportunity to view our 2018 wheat plots and seed increase fields. Unlike past years, we will not have a single date/time dedicated to viewing the plots. Instead, we will try our best to accommodate individual visits to the plots/fields. If you are interested, please contact the MCIA office so we can schedule a mutually agreeable time to take you to the plots and production fields.

Links to Items of Interest

Calyxt Exceeds Farmer Adoption Milestone for High-Oleic Soybean Launch	http://www.calyxt.com/newsevents
Calyxt's High Fiber Wheat Deemed Non-Regulated by USDA	http://www.calyxt.com/newsevents
Century Farm Applications Due May 15	https://extension2.missouri.edu/news/century-farm-applications-due-may-15-3359
What's Behind the Label on a Bag of Seed?	https://www.betterseed.org/resources/key-seed-legislation/whats-behind-the-label-on-a-bag-of-seed
K-State Researchers Make Breakthrough in Understanding Glyphosate Resistance in Pigweed	http://www.ksre.k-state.edu/news/stories/2018/03/glyphosate-resistance-pigweed.html
Uncommon Mite Shows up in SW Missouri Wheat Fields	https://extension2.missouri.edu/news/uncommon-mite-shows-up-in-sw-missouri-wheat-fields-3399

Calendar

May 29	Memorial Day – MCIA Office Closed	
June 9-13	2018 American Seed Trade Association Annual Convention	Washington, DC
June 24-27	2018 AOSCA Annual Meeting	Atlanta, GA
July 4	Independence Day – MCIA Office Closed	
July 12-13	MO-AG Summer Meeting	Lake of the Ozarks
August 9-19	2018 Missouri State Fair	Sedalia

Don't Forget – Small Grains Applications are Due at MCIA Office by April 15