



Missouri Crop Improvement Association News and Notes

Spring 2022

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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

It is certainly nice to be able to report that for the second year in a row, MCIA was able finish 2021 strongly in the black and add some much needed cushion back into our reserves. Despite acreage enrolled in seed programs declining to the lowest levels in 57 years, strong markets and higher utilization of total production lead to a dramatic increase in the amount of tags and certificates issued for seed wheat, rice and peanuts. Tagging volume increased 40.3% to 995,808, a volume we have not seen since 2013. Lab sample volume increased 12.2% to 4,334 samples which resulted in a much larger profit from lab operations. Bottom line, a combination of increased revenues, lower expenses and a one-time infusion of extramural funding resulted in a 371.2% increase in net profit over FY20. Looking forward to 2022, we are projecting steady to slightly larger acreage thanks to strong grain markets, slightly larger sample volume associated with larger acreage and steady tagging volume. The Board of Directors approved a surplus budget for FY22, therefore, there is no plan to adjust fees at the present time. Looking ahead, MCIA's 2022 annual membership meeting will be held in Columbia the last week of July or the first week of August. Additional details will be distributed as they become available.

Soybean Seed Quality Update

As of April 1, MCIA's seed testing laboratory has completed germination analysis on 1,460 soybean samples with an average germination of 91.05%, a slight decrease from the 91.67% reported in February. Another positive that has been observed since the first samples from the 2021 crop were tested is that vigor scores, as measured by accelerated aging testing, have stayed consistently high with very little spread between them and warm germination scores.

As has been the trend in recent years, many conditioners are finished or are winding down conditioning operations associated with the 2021 crop. Please feel free to contact the MCIA office if you have questions or concerns with regard to the quality of your 2020 soybean seed production.

2022 Spring Seed Directory

The 2022 Spring Missouri Seed Directory is posted on MCIA's web site under the Forms, Documents and Publications tab and a copy is also attached to the distribution email for those of you that receive the newsletter in digital form. In an effort to reduce postage expenses, we are mailing printed copies on an as requested basis, so please feel free to contact the MCIA office if you would like to receive a printed copy or if you have questions regarding availability of anything contained in the directory or about varieties not being produced in Missouri.

New and Established Soybean Lines Available for Branding in the Momentum Brand or Private Label

Once again, MCIA is partnering with the University of Missouri to offer conventional, conventional – high oleic and glyphosate tolerant soybean lines to MCIA members and seed producers across regions compatible with mid group III through mid group V soybean production. Missouri Foundation Seeds still has availability of good quality seed for most of these varieties and detailed information on new releases, as well as lines released in recent years, can be obtained in the attached 2022 Soybean Seed Guide or upon request for those of you that receive a mailed copy. All of these varieties can be marketed under a company brand name or under the common Momentum brand. Please contact the MCIA office for additional information regarding seed orders or licensing info.

Heads Up - 2022 Small Grains Applications

Field inspection request applications for small grains and cereal crops were distributed in mid-March and are due at the MCIA office by April 15. Please submit your applications and supporting documentation by the deadline so we can plan for orderly and efficient inspections. 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.

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Missouri Prospective Plantings

According to USDA estimates released by the Heartland Regional Field Office, Missouri growers are expected to plant 3,500,000 acres of corn in 2022, down 3% from 2021. Soybean planted area is expected to total 6,100,000 acres, up 7% from 2021. Cotton growers intend to plant 380,000 acres, up 21% from 2021. Rice planted area is expected to total 189,000 acres, down 5% from last year. Winter wheat area seeded last fall is estimated at 800,000 acres, up 25% from 2020. Acreage planted to oats is expected to total 50,000, unchanged from 2021. Finally, hay producers intend to harvest 3,300,000 million acres of all hay types, up 5% over last year.

Applications Open for Missouri Century Farms

If your farm has been in your family since December 31, 1922, you can apply to have it recognized as a Missouri Century Farm. To qualify, the same family must have owned the farm for 100 consecutive years. The line of ownership from the original settler or buyer may be through children, grandchildren, siblings and nephews or nieces, including through marriage or adoption. The farm must be at least 40 acres of the original land acquisition and make a financial contribution to the overall farm income. Since the program began in 1976, more than 8,000 Missouri farms have received the Century Farm designation.

Details and online application are at <http://extension.missouri.edu/centuryfarm> Deadline for entry is May 1, 2022. You can also contact your local MU Extension center with questions.

Links to Articles of Interest to MCIA Members

Massive Production of Golden Rice Seeds to Start This Year	https://www.goldenrice.org
Researchers Find Rice Production Depends on TAB1	https://www.eurekalert.org/news-releases/942434
MU Plant Diagnostic Clinic Offers Wheat Virus Tests	https://ipm.missouri.edu/cropPest/2022/4/wheatVirus-PT
Top 3 Emerging Disease Issues for 2022	https://ipm.missouri.edu/cropPest/2022/3/emergingDisease-KB
Study Shows Declining Soybean Resistance to Stem & Root Rot	https://apsjournals.apsnet.org/doi/10.1094/PDIS-04-21-0762-RE
3 Hot Topics in Weed Management for 2022	https://ipm.missouri.edu/cropPest/2022/3/weedManagement-KvB
Weed Management Decisions in Wheat	https://ipm.missouri.edu/cropPest/2022/4/wheatWeedManagement-KvB
UC-Davis Team Identifies Wheat Gene That Increases Yield	https://www.isaaa.org/kc/cropbiotechupdate/article/default.asp?ID=19251
Clemson Researchers Closer to Developing Heat-Tolerant Soybean	https://ussoy.org/clemson-researchers-closer-to-developing-heat-tolerant-soybeans
Know SCN Risks before Planting Soybeans Back-to-Back	https://www.dtnpf.com/agriculture/web/ag/crops/article/2022/02/15/know-scn-risks-planting-soybeans
Syngenta Announces CruiserMaxx APX Soybean Seed Treatment	https://www.syngenta-us.com/newsroom/news_detail.aspx?id=222114
Recommendations for Planting Soybeans After Soybeans	https://www.canr.msu.edu/news/recommendations_for_planting_soybeans_after_soybeans
New WA Barley Varieties Help Cut Costs & Emissions	https://www.graincentral.com/news/new-barley-varieties-to-help-cut-costs-and-gas-emissions
New Insight Into How Wheat Roots Respond to Salinity	https://www.uwa.edu.au/news/Article/2022/March/New-insights-into-how-wheat-roots-respond-to-salinity
Improved Wheat to Counter Climate Extremes	https://www.seedtoday.com/article/265171/improved-wheat-to-counter-climate-extremes
Warming Climate Results in Reduced Corn Production	https://www.psu.edu/news/research/story/warming-climate-result-reduced-corn-production-irrigation-blunts-effect/
Speedier Wheat Could Feed More People	https://www.plantsciences.ucdavis.edu/news/speedier-wheat-could-feed-more-people-research-suggests
Diverse Cover Crop Mixes for Good Soil Health	https://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/nypmssy11419.pdf
Deregulation of BASF's Genetically Engineered SCN Resistant Soybean	https://www.seedquest.com/news.php?type=news&id_article=136171&id_region=&id_category=1,&id_crop=62

Reminder – Small Grains Applications Are Due at the MCIA Office on April 15