



Missouri Crop Improvement Association News and Notes

August/September - 2019

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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.

2019-20 MCIA Board of Directors and Premier Seed Grower Award

MCIA's Board of Directors and annual membership meetings were held on July 29th at the MCIA office in Columbia. The membership approved the nominating committee report and the following directors were elected to serve 2 year terms on MCIA's Board of Directors.

Region I	Tommy Lee	MFA Incorporated	Columbia
Region II	Dan Weber	Weber Seeds Inc	Marshall
Region III	Bruce Strobel	Strobel Seed	Concordia
Region IV	Kevin Mainord	Gemeinhardt Seeds	East Prairie

Each year, the MCIA presents its Premier Seed Grower Award to a member who has shown a commitment to producing high quality certified seed throughout the years. Traditionally, this award has been presented to an active/affiliate member company that has a long track record of service to the seed industry. We were pleased to present the 2019 Premier Seed Grower Award to Green Valley Seeds of Kahoka, MO.

Wheat Variety Testing Performance Results

Results from the University of Missouri's 2019 Wheat Performance Testing are available via a direct link on MCIA's web site or online at <http://varietytesting.missouri.edu>. If you would like a printed copy of the results, please contact the MCIA office and we will try to get one for you.

2019 Wheat Seed Quality Update

Quality of the 2019 seed wheat crop is good to very good in most instances. Excessive moisture in May and June led to the presence of fusarium head blight (scab) in a lot of fields, however, infections so severe as to cause a major decline in germination were extremely rare. In general, aggressive conditioning meant that most seed lots had good germination and high test weights. MCIA's seed lab has tested 439 soft red winter samples with an average germination of 92.33%, 6 hard red winter samples with an average germination of 91.00% and 246 service (non-certified) samples with an average germination of 91.30%. Test weights in general are running in the high 50's to low 60's with a few coming in at 61+.

As a reminder, the MCIA seed lab offers a treated germination comparison using Vibrance Extreme upon request. Please make sure to properly sample all lots submitted for analysis to make sure you obtain results that are representative of the lot you are offering for sale and please feel free to contact the MCIA office if you have questions or concerns regarding your 2019 wheat seed production.

Foundation/Parent Wheat Seed Availability

All members with a recent history of producing Certified and/or Quality Assurance seed wheat should have already received their 2019 order forms. While the priority deadline date of August 16th has already passed, Missouri Foundation Seeds still has a good supply of all varieties available at the present time. All new orders will be filled on a first come – first served basis as long as quantities last.

On a related note, we are offering a new variety in the Momentum program, namely Momentum 209. A data sheet is attached that provides more detailed agronomic and performance information for this variety. Also attached are regional summaries from the 2019 performance trials with varieties available from Missouri Foundation Seeds color coded for easy comparison. Please contact either the Missouri Foundation Seed or MCIA office if you have questions or need additional info on these or any other wheat varieties available to MCIA members.

Wheat Labeling Issues

If you intend to market your 2019 seed wheat production and have not yet submitted your samples for analysis or ordered your certification labels or bulk sales certificates, please do so as soon as possible. Every year, the push to get last minute samples tested and labels issued is greater and greater. Please keep in mind that it takes 7-8 days from the time we receive the sample to complete the analysis and issue the labels or certificates.

MCIA members are reminded that many varieties produced in MCIA's certification program are protected under provisions of the Plant Variety Protection Act (PVP). Each year, we receive reports that certified seed of protected varieties has been sold and transported without the proper certification labels and/or bulk sales certificates. Certification labels and bulk sales certificates are available from the MCIA office and usually ship the same day they are requested. Please make sure to use proper labeling for all sales to remain in compliance with provisions of the Plant Variety Protection Act and private intellectual property rights.

As a reminder, all seed wheat sold into Arkansas must be labeled as to variety name, unless it is specifically labeled for use as "cover crop". Several examples of proper labeling for "cover crop" wheat in Arkansas and other states with variety required labeling are included for your review. Please feel free to contact the MCIA office if you have questions or require additional information with regard to proper labeling of any seed wheat.

Soybean and Rice Inspections

Field inspection request forms for soybean and rice were due August 1. We believe we have received applications for most eligible production fields, however, please submit your applications and documentation ASAP if you have not already done so. A late harvest has bought us a little extra time on the front end but we need to have your applications as quickly as possible so that we can get the inspectors their assignments and plan for efficient inspections. MCIA members are encouraged to submit applications for any fields that could possibly be used for seed production so that we can have adequate staffing to conduct the required inspections in a timely manner. As a reminder – applications may be cancelled with a full refund of fees provided that we receive notice of the cancellation prior to inspection.

MCIA inspectors completed their annual training the first week of September and were instructed to remain in constant contact with seed producers and their contract growers regarding the condition of their production fields and the status of inspections. We ask that you communicate any changes in the status of your production, whether cancellations or additions, directly with the inspectors as quickly as possible. MCIA inspectors were also instructed to contact applicants prior to conducting any inspections and to notify producers immediately if the inspection reveals anything that would result in a field not meeting standards or other issues that might pose quality problems.

We look forward to working with everyone this fall and ask for your cooperation to ensure that we have a smooth and timely fall inspection season.

Soybean Royalty Refunds

You may be eligible for a refund of royalties paid for soybean seed that you were unable to sell in 2018-19. In order to receive a refund, please return any unused tags/labels to the MCIA office no later than September 30th and indicate the number of tags/labels returned for each variety. **MCIA will not count your tags/labels for you and any tags/labels received after the September 30th deadline may be ineligible for a refund.**

Missouri Crop Production Report Based on September 1 Conditions

Corn harvested area is estimated at 3.06 million acres, down 8% from 2018. Yield is forecast at 160 bu/ac, up 20 bu/ac from 2018. Production is forecast at 490 million bushels, 5% above 2018.

Soybean harvested area is estimated at 5.03 million acres, down 13% from 2018. Yield is forecast at 46 bu/ac, up 1 bu/ac from 2018. Production is forecast at 231 million bushels, down 11% from 2018.

Winter wheat harvested area (Aug 1) is forecast at 470,000 acres, down 10% from 2018. Yield is forecast at 60 bu/ac, up 1 bu/ac from 2018. Production is forecast at 28.2 million bushels, down 8% from 2018.

Cotton harvested area is estimated at 368,000 acres, up 14% from 2018. Yield is forecast at 1,304 lbs/ac, down 69 lbs/ac from 2018. Production is forecast at 1,000,000 bales (480 lb) up 9% from 2018.

Rice harvested area is estimated at 173,000 acres, down 21% from 2018. Yield is forecast at 7,500 lbs/ac, down 270 lbs/ac from 2018. Production is forecast at 13.0 million cwt, down 24% from 2018.

Links to Items of Interest

- Wheat Myth Debunked by Major New Study <http://texaswheat.org/wheat-myth-debunked-by-a-major-new-study>
- Embracing Bioinformatics in Gene Banks <https://phys.org/news/2019-07-embracing-bioinformatics-gene-banks.html>
- Plant Viruses May be Reshaping Our World <https://asunow.asu.edu/20190717-plant-viruses-may-be-reshaping-our-world>
- Worm Pheromones Protect Major Crops <https://btscience.org/explore-bti/news/post/worm-pheromones-protect-major-crops>
- Cover Crops and Prevent Planting in 2019 <https://farmdocdaily.illinois.edu/2019/06/cover-crops-and-prevent-planting-in-2019.html>
- Breeding Powerful Traits into Peanut Varieties <https://alec.caes.uga.edu/news/story.html?storyid=8026&story=Peanut%20Variety%20Research>
- MO Cash Rent County Estimate Map https://www.nass.usda.gov/Statistics_by_State/Missouri/Publications/County_Estimates/2019/MO-Cash-Rent-Map.pdf
- MO Cash Rent County Estimates https://www.nass.usda.gov/Statistics_by_State/Missouri/Publications/County_Estimates/2019/MO-Cash-Rent-by-County.pdf
- Lack of Crop Diversity and Increasing Dependence on Pollinators May Threaten Food Security <http://cmns.umd.edu/news-events/features/4457>
- Warming Midwest Increases the Likelihood that Farmers Will Need to Irrigate <https://news.illinois.edu/view/6367/799457>
- Five Megatrends Will Reshape Agriculture Says Syngenta Executive <https://www.ncbiotech.org/news/five-megatrends-will-reshape-agriculture-says-syngenta-executive>
- New Way to Grow Crops in Marginal Soils Could Help Feed the World <https://chemh.stanford.edu/news/new-way-grow-crops-marginal-soils-could-help-feed-world>
- New Tests by MU Scientists Will Kill Weed Seeds Before They Become Weeds http://agebb.missouri.edu/news/showall.php?story_num=8592
- 'Planting Green' Cover Crop Strategy May Help Farmers Deal With Wet Spring <https://phys.org/news/2019-07-green-cover-crop-strategy-farmers.html>
- Seed Company Trends - Rise of the Regionals & Independents <https://www.agrimarketing.com/s/124545>
- Striving to Develop Stripe Rust Resistant Wheat <http://kswheat.com/news/2019/06/07/researchers-strive-to-develop-stripe-rust-resistant-wheat>
- 20 Year Study Nets Resistance to Fusarium Head Blight <https://www.ksre.k-state.edu/news/stories/2019/06/fusarium-head-blight-resistance.html>
- This Barley Can Withstand the Challenges of Climate Change https://pressemittelungen.pr.uni-halle.de/index.php?modus=pmanzeige&pm_id=3118
- Texas A&M Researchers To Develop Climate-Smart Sorghum <https://today.tamu.edu/2019/07/30/texas-am-researchers-to-develop-climate-smart-sorghum>
- Improved Seeds: Critical Input to Help Farmers Adapt to Climate Change <https://www.worldseed.org/wp-content/uploads/2019/07/190712-UN-HLPF-SDGs-EC-final.pdf>
- Yield Boosting Stay-Green Gene Identified from 118-year-old Experiment in Corn <https://aces.illinois.edu/news/yield-boosting-stay-green-gene-identified-118-year-old-experiment-corn>
- Illinois Study Advances Possibility of Genetic Control for Major Agricultural Weeds <https://aces.illinois.edu/news/illinois-study-advances-possibility-genetic-control-major-agricultural-weeds>
- Genetic Breakthrough in Cereal Crops Could Help Improve Yields Worldwide <https://newsstand.clemson.edu/mediarelations/genetic-breakthrough-in-cereal-crops-could-help-improve-yields-worldwide>
- Plants Defend Against Insects by Inducing 'Leaky Gut Syndrome' <https://news.psu.edu/story/581303/2019/07/22/research/plants-defend-against-insects-inducing-leaky-gut-syndrome>
- Gene Identified to Help Develop Plants to Fight Climate Change <https://www.salk.edu/news-release/gene-identified-that-will-help-develop-plants-to-fight-climate-change>

Calendar

September 12	UM Southwest Research Center Field Day	Mt. Vernon, MO
September 13	Tiger Ag Classic Golf Tournament	Columbia, MO
September 25-26	Missouri Seedsmen's Association Annual Meeting	Lake of the Ozarks, MO
November 1-9	ASTA Farm and Lawn Seed Conference	Kansas City, MO
December 9-12	ASTA Corn, Sorghum & Soybean Seed Expo 2019	Chicago, IL

LABELING COVER-CROP WHEAT (Examples)

Note: Varieties protected under PVP 94 cannot be labeled as "variety not stated". Also, Varieties protected under PVP Title V must be sold as a class of Certified Seed, except that seed from a Certified lot may be labeled as to variety name when used in a mixture by, or with the approval of the owners of the variety.

Will Not work in Mississippi – Must state Mixed Wheat or Wheat Mixed Variety Not Stated; Also will not work for Louisiana; OK for Arkansas

SEEDSMAN'S BRAND WHEAT (FOR COVER CROP)		
KIND: WHEAT	PURE SEED: 98.00%	GERMINATION: 85%
VARIETY(S): NOT STATED	OTHER CROP: 0.08%	HARD SEED: 0%
LOT: 4321	WEED SEED: 0.05%	TOTAL: 85%
ORIGIN: AR	INERT: 1.87%	TEST DATE: JUNE-06
NOXIOUS WEEDS PER POUND: NONE		NET WT: 50 Lbs
XY SEED COMPANY PO BOX 123 ANYWHERE, ARKANSAS		

Ok for Mississippi & Louisiana & Arkansas

DAIRY BRAND WHEAT MIX (FOR COVER CROP)		
KIND: MIXED WHEAT	PURE SEED: 98.00%	GERMINATION: 85%
VARIETY(S): NOT STATED	OTHER CROP: 0.08%	HARD SEED: 0%
LOT: 4321	WEED SEED: 0.05%	TOTAL: 85%
ORIGIN: AR	INERT: 1.87%	TEST DATE: JUNE-06
NOXIOUS WEEDS PER POUND: NONE		NET WT: 50 Lbs
XY SEED COMPANY PO BOX 123 ANYWHERE, ARKANSAS		

Ok for Mississippi & Louisiana & Arkansas

DAIRY BRAND PASTURE MIX		
KIND: WHEAT (For Cover Crop / Pasture)	GERMINATION: 85%	TEST DATE: 6-06
VARIETY: AB123*	PURE SEED: 70.00%	NET WT: 50 Lbs
VARIETY: Not Stated	PURE SEED: 28.00%	ORIGIN: AR
LOT: 4321	OTHER CROP: 0.08%	NOXIOUS WEEDS PER POUND:
	WEED SEED: 0.05%	8 DOCK & 26 HAIRY CHES
	INERT: 1.87%	
XY SEED COMPANY PO BOX 123 ANYWHERE, ARKANSAS		*1994 PVP PROTECTED VARIETY Unauthorized propagation Prohibited