

Crop Scouting Update: June 24, 2024

Weather Station According to the Lamar Weather Station, the temperature reached a low of 71.7°F and a high of 95.4°F with a heat index of 100.9°F. Lamar received a total of 0 inches of rain between 6/17/24 and 6/24/24. Weather is forecasted to be in the high 80s to high 90's. Scattered thunderstorms are forecasted for Wednesday June 26th and Saturday June 29 and Sunday June 30th. Already, starting to feel like an oven out there so stay hydrated while working in this heat.



Fields checked were on located near Lamar, MO in Barton County.

Wheat A lot of wheat fields have been cut and are being planted to soybeans.

Soybeans The soybean field that was scouted was in the V3 growth stage. Some plants had small circular lesions on their leaves, that look similar to frogeye leaf spot. Frogeye leaf spot is difficult to diagnosis correctly in the field because it can be confused with certain types of herbicide injury and other foliar diseases. Frogeye leaf spot can cause yield losses and favors frequent rainfall and high humidity. A sample has been sent to the diagnostic lab for investigation. Insect damage was noticed on several soybean plant (possibly from Japanese beetles and bean leaf beetles). Bean leaf beetles are the primary vector for bean pod mottle virus which can cause a discoloration on soybean seed. Soybeans should be scouted for bean leaf beetle damage.



Japanese beetle on soybeans

Bean leaf beetle damage



Frog-eye leaf spot or herbicide injury?

Corn Corn was around 87 to 102 inches tall, tasseling, dropping pollen and corn ears are silking. Japanese beetles have started congregating on top of corn ears, chewing on husks and causing some silk clipping. Silk clipping by Japanese beetles can be exacerbated by drought stress, but usually only causes reduces pollination when the majority of corn plants have silks that have been cut back to less than ½ inch.



Japanese beetles on corn ear

Japanese Beetle on Corn and Soybean <https://crops.extension.iastate.edu/encyclopedia/japanese-beetle-corn-and-soybean>

Foliar Diseases of Soybeans <https://extension.okstate.edu/fact-sheets/print-publications/epp-entomology-and-plant-pathology/foliar-diseases-of-soybeans-epp-7672.pdf>

Bean Leaf Beetle <https://crops.extension.iastate.edu/bean-leaf-beetle>

Distinguishing Diseases from Chemical Injury in Soybean <https://news.utcrops.com/2016/06/distinguishing-diseases-chemical-injury-soybean/>

Is That Abiotic Injury Or A Disease In Our Soybean Seedlings? What To Look For To Determine If That Spot Is Frog-eye Or Herbicide Injury On Soybean. <https://extension.entm.purdue.edu/newsletters/pestandcrop/article/is-that-abiotic-injury-or-a-disease-in-our-soybean-seedlings-what-to-look-for-to-determine-if-that-spot-is-frog-eye-or-herbicide-injury-on-soybean/>

Japanese Beetle Alert Around 750 Japanese Beetles were captures in the Barton County Japanese Beetle Trap. This triggered an alert. Beetles captures in a pheromone trap do not indicate that treatment is necessary, but indicates that fields should be scouted.

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