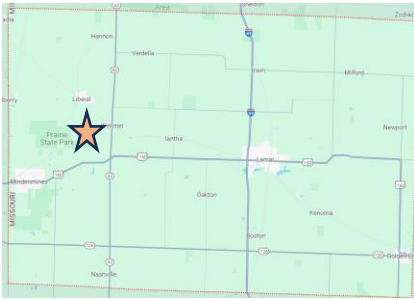


## Crop Scouting Update: July 1, 2024

**Weather Station** According to the Lamar Weather Station, the temperature reached a low of 70.4°F and a high of 88.8°F. Lamar received a total of 1.04 inches of rain between 6/24/24 and 6/30/24. Weather is forecasted to be in the 80's for the week. Scattered thunderstorms are forecasted for Tuesday July 2, Wednesday July 3rd and Monday July 8th. Enjoy the break from the extreme heat while it lasts.



Fields checked were located near Liberal, MO in Barton County.

**Corn** was around 9 feet tall, pollination has occurred and ears are somewhere between R2 Blister/R3 Milk. Japanese beetles are congregating on top of corn ears, chewing on husks and causing some silk clipping. On some ears, Japanese beetles have exposed the top of the ear. This damage could potentially allow fungi and other insects to colonize the tops of ears. I suggest scouting corn fields to determine if Japanese beetles are causing damage to silks or top of ears (see links for information). Earworm damage was not seen at this time.



**Japanese beetles on corn ear**

**Soybeans** The soybean field that was scouted was in the V3 growth stage. Insect damage was noticed on several soybean plants (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. Also, Grape colaspis beetles were noticed in this field. These beetles can cause damage to leaves but are more known for laying eggs which hatch into larva (grub) that feed on plant root hairs. Adult beetles emerge in June and only have one generation per year. Also, several soybean plants were noticed with having chewing damage at the stem at soil line (see picture). Currently, slug damage is suspected, but not confirmed. Soybeans should be scouted for pests like beetles and slugs. Waterhemp was also growing in large numbers between rows in certain areas of the field. Also, a few volunteer soybeans were noticed with heavy insect damage. Weeds can harbor pests. A few plants had small circular spots on their leaves, that look similar to what was seen in last week's report (under investigation with diagnostic lab).



Bean leaf beetle damage



Japanese beetle on soybeans



Spots on leaves (under investigation)



Chewing damage to roots/stems



Grape colaspis beetle



Waterhemp growing between rows

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

Japanese Beetles: Time to Scout Soybean and Corn Fields

[https://ipm.missouri.edu/croppest/2024/7/scout\\_japanese\\_beetle-iv/](https://ipm.missouri.edu/croppest/2024/7/scout_japanese_beetle-iv/)

Keys to Integrated Pest Management in Soybeans [https://ipm.missouri.edu/croppest/2024/6/soybean\\_ipm-iv/](https://ipm.missouri.edu/croppest/2024/6/soybean_ipm-iv/)

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

Bean Pod Mottle Virus <https://cropwatch.unl.edu/plantdisease/soybean/bean-pod-mottle>

Grape Colaspis <https://m.farms.com/field-guide/pests/grape-colaspis.aspx>

Grape colaspis: a sporadic pest of corn and soybean in Illinois <https://www.youtube.com/watch?v=jLdTf8LwDY>

Integrated Practices Manage Hard-to-Predict Slug Pressure

<https://soybeanresearchinfo.com/research-highlight/integrated-practices-manage-hard-to-predict-slug-pressure/>

Slug Damage in Soybeans <https://www.youtube.com/watch?v=JIPc0W7LwSY>

Waterhemp Management in Soybeans

<https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pub/pdf/miscpubs/mx1123.pdf>

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