

# Ohio County Farm & Home News

Cooperative  
Extension Service

Ohio County  
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## HOT WEATHER MANAGEMENT IN POULTRY HOUSES – JULY 26<sup>TH</sup>

The McLean, Grayson, and Ohio Extension office



will host a “Hot Weather Management in Poultry Houses” program on July 26<sup>th</sup>, at the Ohio County Extension Center. This will be a breakfast meeting – with breakfast served at 7:00 a.m. and the program beginning around 7:30 a.m.

We will have Dr. Michael Czarick, University of Georgia, Extension Engineer will discuss managing your poultry houses during hot weather. Dr. Czarick is internationally recognized for his research and teachings in poultry house environment management.

The program is free and open to anyone who wishes to attend. I think you will find this program will be beneficial to all chicken or turkey producers.

Please register, so we may prepare properly for breakfast, by contacting the McLean Co. Extension office (270)273-3690 or the Ohio Co. Extension Office (270)298-7441. Just give your name and the number attending.

## SOUTHERN RUST IN CORN CONFIRMED IN OHIO & DAVIESS CO.

I had a suspect corn leaf sample, with Southern Rust, submitted about a week ago, and received confirmation this week it was southern rust. This comes a no surprise given the amount of rainfall and the direction some of the storms have come from. The real question is what to do now?

Southern rust does not overwinter in Kentucky but, moves in with storms from the south and southwest. Southern rust has already been confirmed in Texas, Louisiana, Georgia and Arkansas. So, it was only a matter of time before it was found in KY.



You can find more information about Southern Rust in corn at:

<https://cropprotectionnetwork.org/encyclopedia/southern-rust-of-corn#:~:text=Southern%20rust%20is%20caused%20by,the%20United%20States%20and%20Canada.>

Fungicide guidelines can be found in the above-referenced publication, but in short, they are as follows:  
1. Fungicides may be needed between VT-R3 (tasseling to milk stage) to protect yield;

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### MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

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Disabilities  
accommodated  
with prior notification.

2. Any corn that is already at milk stage will likely not need a fungicide application;
3. Corn that had a fungicide application pre-tassel will need to be monitored for southern rust development to determine if a second spray is needed;
4. Corn that had a fungicide application at VT or later will likely not need a second fungicide application, if it has reached blister (R2) when southern rust is confirmed in a field;
5. Farmers with corn still in vegetative growth stages should wait to spray until disease is detected in a field and try to get as close to VT as possible to apply a fungicide. Research in the south shows that it is better to wait and protect plants during the VT-R3 stage. This will require scouting late-planted fields to determine disease onset;

6. There are many options of fungicides that have efficacy against southern rust. If farmers are concerned about input costs, they can choose less expensive products and expect to see similar levels of protection. A list of the current ratings for fungicides for southern rust efficacy can be found here : <https://crop-protection-network.s3.amazonaws.com/publications/fungicide-efficacy-for-control-of-corn-diseases-filename-2021-07-14-205804.pdf>

**Table 2. Possible benefits (by growth stage) from applying fungicides to protect against southern rust.**

Crop Stage When Southern Rust Is First Detected	Possible Benefit from Spraying	Comment
Vegetative	Not likely to find southern rust at this stage unless corn is planted very late for the region	Scout fields for disease
VT (tasseling)	Yes	May need a second spray
R1 (silking)	Yes	May need a second spray
R2 (blister)	Yes	Less likely to need a second spray
R3 (milk)	Yes	No second spray needed
R4 (dough)	Maybe, with severe disease pressure	No second spray needed
R5 (dent)	Unlikely	No second spray needed
R6 (black layer)	No	

## U.K. CORN, SOYBEAN & TOBACCO FIELD DAY – JULY 23

The U.K. Martin-Gatton College of Agriculture, Food and Environment will offer the “2024 Corn, Soybean and Tobacco Field Day” July 23 at the college’s Research and Education Center Farm, in Princeton.

During the tours, UK Martin-Gatton CAFE specialists and researchers will offer timely, research-based information and interactive opportunities for participants. Free registration is requested to ensure your lunch and receive event updates.

Three tours, each lasting two hours, will run concurrently, and participants will have the opportunity to participate in two of the tours. Educational Credits will be offered for each tour. Pesticide applicators and Certified Crop Advisors credits are pending.

Sign-in begins at 7:15 a.m. CT, with wagons rolling at 8:00 a.m. The field day will end around 1:00 p.m. The

free field day includes lunch, sponsored by the Ky Corn Growers Association, the Ky Soybean Board, and Altria Client Services

Participants will have the opportunity to delve into a variety of topics, including:

- Corn disease concerns for 2024
- Familiar and new soybean diseases to look out for in 2024
- Insect updates
- Corn and soybean variety trials
- Weed control in 2024 and beyond
- The “Weather Alert” app for cell phones
- Maximizing corn yields following a cover crop
- Soybean yield and economic response to irrigation
- Corn and soybean outlook

# UPCOMING Events

- The fundamentals of soil pH management for production agriculture
- Changes to AGR-1 fertilizer rate recommendations for Kentucky grain crops
- UKREC dark tobacco infrastructure and research updates
- Tobacco research updates from the University of Tennessee
- Sulfur fertility in tobacco

To pre-register, visit <http://tiny.cc/m9jlyz>. For more event information, contact Colette

Laurent at [colette.laurent@uky.edu](mailto:colette.laurent@uky.edu) .

- July 23 – U.K. Corn, Soybean & Tobacco Field Day; U.K. Research & Education Farm, Princeton
- July 26 – “Hot Weather Management in Poultry Houses”; Ohio Co. Extension Center; 7:00 a.m. breakfast – 7:30 a.m. program
- August 29 - KATS Field Crop Pest Management & Spray Clinic; U.K. Research & Education Center
- October 16 – Heart of America Grazing Conference; Hardin Co. Extension Office, Elizabethtown