



Cooperative Extension Service



Hickman County Agriculture and Natural Resources Newsletter



December 2024/January 2025

Cooperative Extension Service

Agriculture and Natural Resources
Family and Consumer Sciences
4-H Youth Development
Community and Economic Development

MARTIN-GATTON COLLEGE OF AGRICULTURE, FOOD AND ENVIRONMENT

Educational programs of Kentucky Cooperative Extension serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expression, pregnancy, marital status, genetic information, age, veteran status, physical or mental disability or reprisal or retaliation for prior civil rights activity. Reasonable accommodation of disability may be available with prior notice. Program information may be made available in languages other than English.
University of Kentucky, Kentucky State University, U.S. Department of Agriculture, and Kentucky Counties, Cooperating.
Lexington, KY 40506



Disabilities accommodated with prior notification.

Cooperative Extension Service

Reviving Drought Stressed Pastures with Dr. Chris Teutsch



Hickman County Extension Office January 23, 2025 6:00 PM

Free Meal Provided



*****RSVP Required*****

Call your local Extension Office
Hickman County - 270-653-2231
Carlisle County - 270-628-5458

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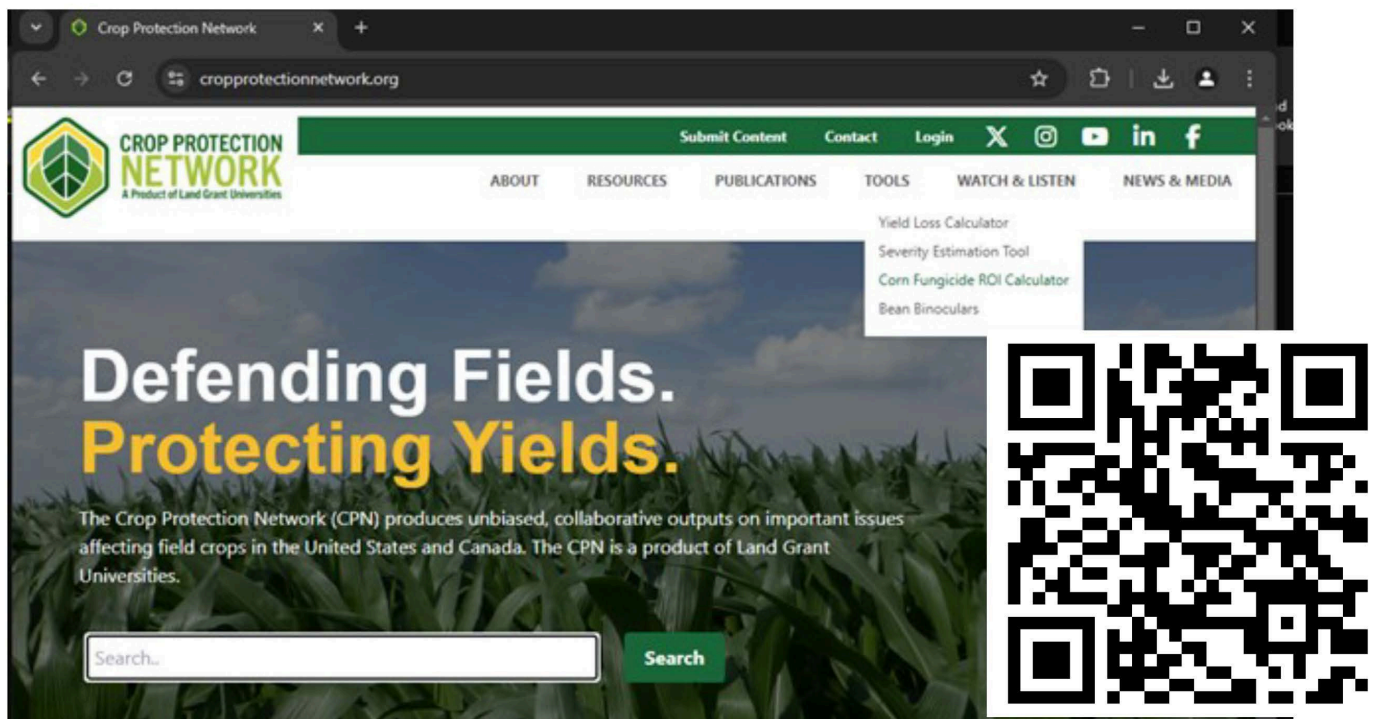


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A New Tool to Help with Corn Fungicide Decisions in 2025

Dr. Kiersten Wise, Extension Plant Pathology

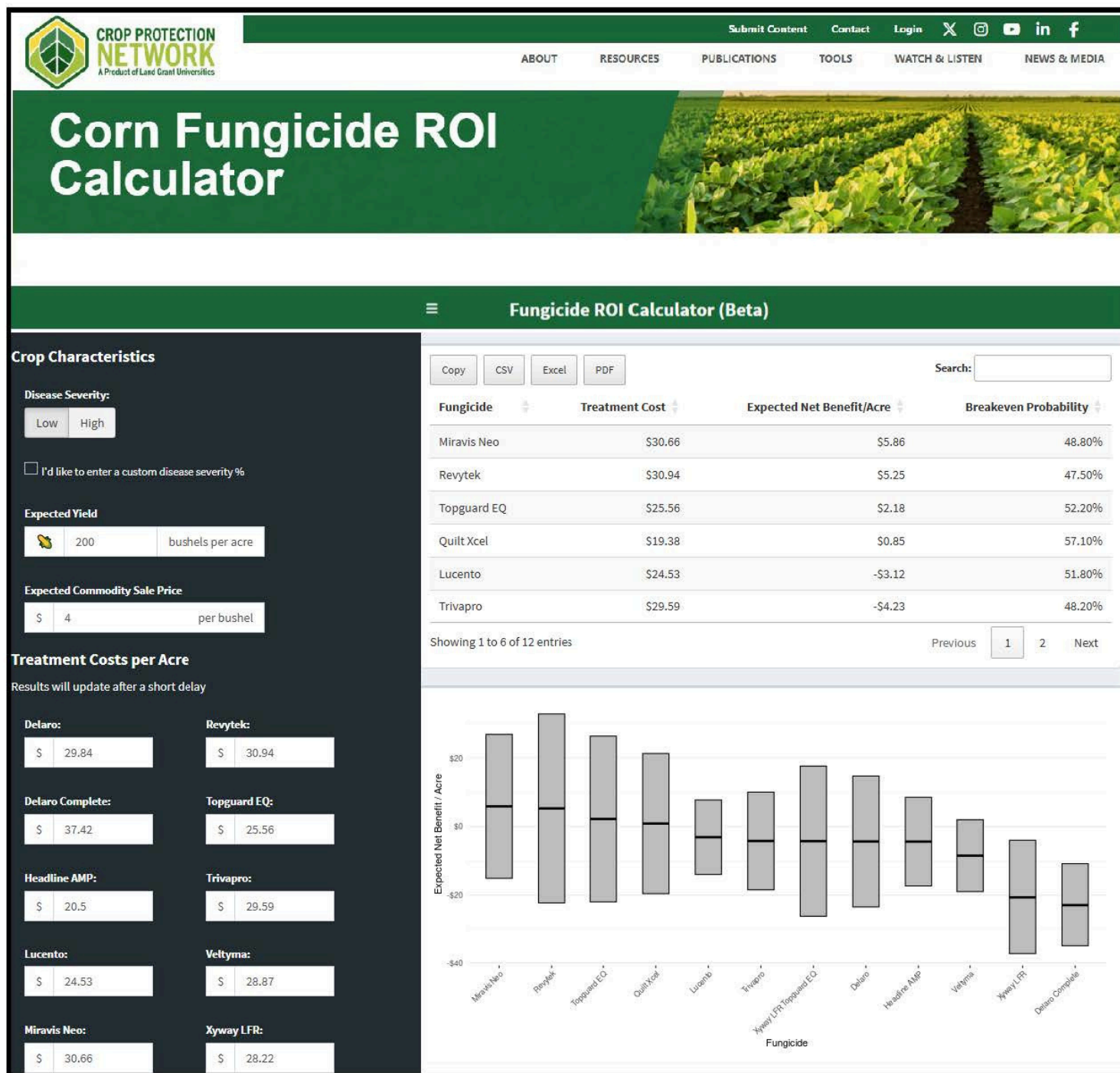
Farmers and other stakeholders have a new resource to help them make fungicide input decisions in corn. The interactive Corn Fungicide ROI Calculator is available through the Crop Protection Network website, <https://cropprotectionnetwork.org/fungicide-roi-calculator>. This calculator uses multiple years of University corn fungicide datasets from across 19 U.S. states and Ontario Canada to help predict the probability of a positive return on investment (ROI) for a range of fungicide products and economic scenarios in corn.



The tool, built in collaboration with the Crop Protection Network and the University of Wisconsin-Madison Data Science Institute, has over 1,100 data points and multiple Kentucky trials incorporated into the data set used for analysis. Southern rust and tar spot were prominent diseases in many of the trials included in the data set, which also increases the relevancy to Kentucky farmers, as these are diseases that can be economically important in Kentucky.

The tool can be customized to reflect the user's expected yield, contracted or expected corn pricing, and actual fungicide costs from retailers or industry representatives. These customized numbers are used to calculate real estimates of ROI and the breakeven probability of specific products and expected yields, based on robust fungicide data sets. Results are based on a single fungicide application that occurs at tasseling/silking (VT/R1). The calculator will be updated annually with additional University data sets, improving its prediction accuracy and relevance over a broad geography. For questions on the calculator, contact Kiersten Wise, Extension Plant Pathologist at Kiersten.wise@uky.edu.

Figure 2. Example ROI calculated for an expected yield of 200 bushels per acre and an expected commodity sale price of \$4/bushel at a range of default fungicide prices.



Optional Citation: Wise K. 2024. A New Tool to Help with Corn Fungicide Decisions in 2025. *Corn & Soybean News, Vol 6, Issue 12*. University of Kentucky, December 13, 2024.

Dr. Kiersten Wise

UK Extension Plant Pathologist

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Kiersten.wise@uky.edu



Cooperative Extension Service



HICKMAN COUNTY COOPERATIVE EXTENSION PRIVATE APPLICATOR PESTICIDE CARD RENEWAL

***Needed if your Private Applicator card expired 12/2024

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Hickman County Extension Office

329 James H. Phillips Drive, Clinton KY 42031

January 28, 2025 - 3:00 PM

February 5, 2025 - 9:00 AM

February 27, 2025 - 9:00 AM

For more information call Hickman County Extension office at 270-653-2231

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Sorghum Gingerbread Pear Muffins

1 cup whole-wheat flour	½ teaspoon	½ cup sorghum syrup
½ teaspoon baking powder	ground ginger	½ cup unsweetened applesauce
½ teaspoon baking soda	¼ teaspoon salt	1 pear , peeled, cored, and diced
½ teaspoon ground cinnamon	1 egg	
	½ cup buttermilk	

Preheat oven to 375 degrees F. **Grease** 12 muffin cups or line with paper liners. In a mixing bowl, **combine** the flour, baking powder, baking soda, cinnamon, ginger, and salt. In a separate bowl, **mix** together the egg, buttermilk, sorghum syrup and applesauce until smooth. **Add** the egg mixture to the flour mixture and **combine** until the batter is just moistened. Gently **fold** in the diced pears. **Fill** the muffin cups with the

mixture. They will be full. **Bake** in the preheated oven until a toothpick inserted in the center of a muffin comes out clean, about 20 minutes.

Yield: 12 muffins. Serving size, one muffin.

Nutritional Analysis: 90 calories, 1g fat, 0g saturated fat, 0g trans fat, 15mg cholesterol, 140mg sodium, 20g carbohydrate, 2g fiber, 13g total sugars, 10g added sugars, 2g protein

Kentucky Sweet Sorghum

SEASON: September to mid-November

NUTRITION FACTS: One tablespoon of sorghum syrup has 60 calories, no fat, 15 grams of added sugar. It also has minerals such as potassium and iron.

SELECTION: The juice of sweet sorghum (*Sorghum bicolor*) is extracted from the plant's stalks. Stalks are crushed, and the extracted juice is cooked down to a thick, sticky syrup.

STORAGE: Store at room temperature in an airtight container.

PREPARATION: Sorghum syrup can be used in the same way honey is used. It adds sweetness to items such as oatmeal, biscuits, tea, or baked beans. It can also be used in baked goods.

SWEET SORGHUM

Kentucky Proud Project
County Extension Agents for Family and Consumer Sciences
University of Kentucky, Dietetics and Human Nutrition students
May 2020

Source: <https://www.uky.edu/ccd/sites/www.uky.edu/ccd/files/swsorghum.pdf>

Buying Kentucky Proud is easy. Look for the label at your grocery store, farmers market, or roadside stand.
<http://platetup.ca.uky.edu>



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University of Kentucky
College of Agriculture,
Food and Environment
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Save the date

2025 Winter Ag Conference

January 31, 2025

Lowry Farms



Martin-Gatton
College of Agriculture,
Food and Environment



UK Cooperative
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For more information follow us at
<https://hickman.ca.uky.edu/>

or

Hickman County Cooperative Extension Service on
Facebook

Agent for Agriculture and
Natural Resources

A handwritten signature in black ink, appearing to read "John D. O. Tr.", written over a light blue background.



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*University of Kentucky
Hickman County
329 James H. Phillips Drive
Clinton, KY 42031*

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RETURN SERVICE REQUESTED