



Soybean White Mold Risk Forecast

For period of July 27 – Aug 25, Date of Issue: July 28, 2019

One-Month Weather Outlook

Over the next 30 days temperatures will be normal to below normal. Precipitation is predicted to be above normal west of the Mississippi River, and normal east of the river. For the next two weeks a period of cool temperatures will dominate the Corn Belt, preceding cooler than normal late summer temperatures. These conditions are suitable to the development of foliar diseases.



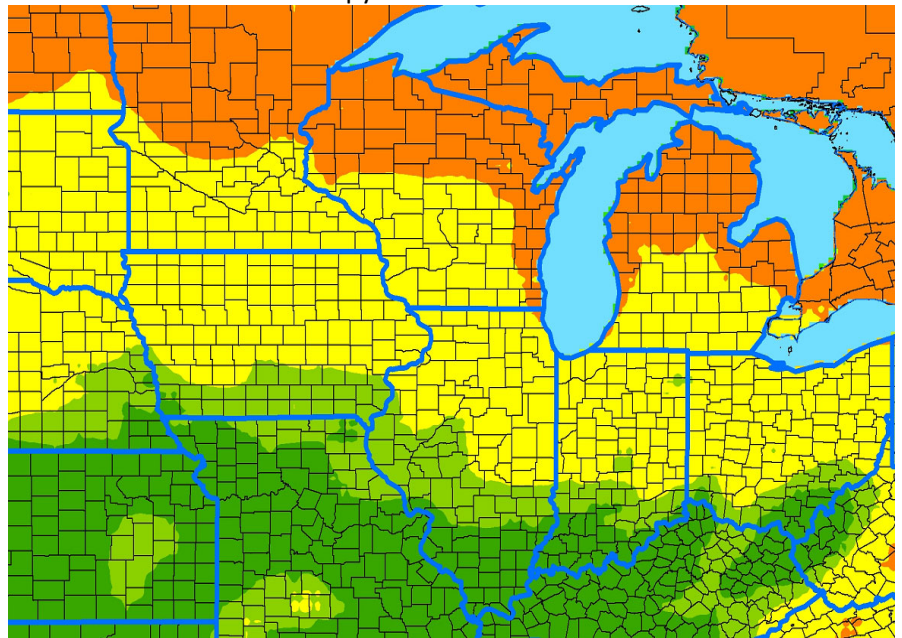
One-month risk map

White Mold Risk Summary

For normal planting dates the risk of white mold infection is moderate for areas north of I-70 with high risk areas north of I-94. Risk levels are higher for late plantings.

Next two-week risk interpretation

The risk for soybean white mold is high for much of ND, MN, WI, and MI for the next two weeks, however for late-planted fields the high risk zone extends farther south, closer to I-80. Pay particular attention to soybean fields that are flowering, planted in narrow rows, and have a history of white mold. For greatest efficacy treatments need to be made before disease symptoms are seen, and before canopy closure.



Risk Level
 Very-low Low Moderate High Very-high

What to do?	
High:	Treat flowering fields that have a closing canopy and a history of white mold infections
Moderate	Scout fields and weigh disease risk factors
Low or Very low	Monitor risk forecasts

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Soybean Brown Spot Risk Forecast

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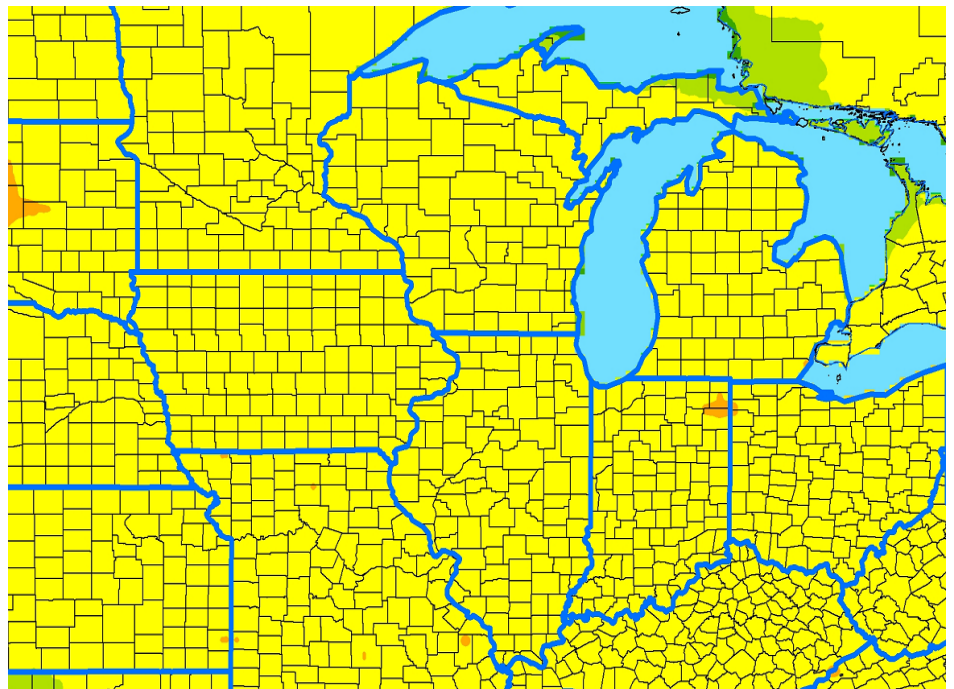
Brown Spot Risk Summary

The risk of soybean brown spot is moderate for most of the region.

Next two-week risk interpretation

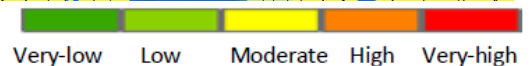
For the next two weeks the risk for brown spot is moderate for most of the region. Brown spot develops first on leaves low in the canopy, and progress upward during the season. Fields impacted by spring flooding are more susceptible.

One-month risk map



What to do?	
High:	Consider treatment, especially susceptible cultivars
Moderate	Scout fields and weigh disease risk factors
Low or Very low	Monitor risk forecasts

Risk Level



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Soybean Frogeye Leaf Spot Risk Forecast

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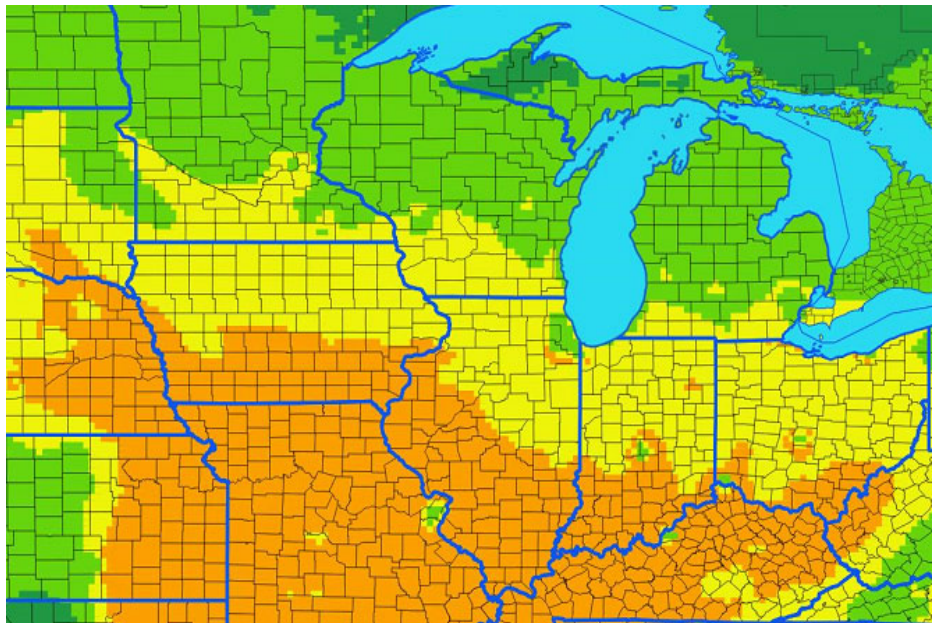
Frogeye Leaf Spot Risk Summary

The risk of soybean frogeye leaf spot is high for areas extending from eastern NE and KS through southern Ohio.

Next two-week risk interpretation

The FLS disease risk is high for soybean fields in eastern NE and KS, all of MO and KY, and southern parts of IA, IL, IN, and OH. Treatment is recommended if symptoms are seen on the upper leaves and the plants are younger than R4. The following conditions increase the infection risk in a particular field: heavy infection in previous years, fields near a bodies of water, or in a soybean-soybean rotation.

30-day Risk Map



What to do?

High:	Consider treatment, especially susceptible cultivars
Moderate	Scout fields and weigh disease risk factors
Low or Very low	Monitor risk forecasts

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Risk Level



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Corn Gray Leaf Spot Risk Forecast

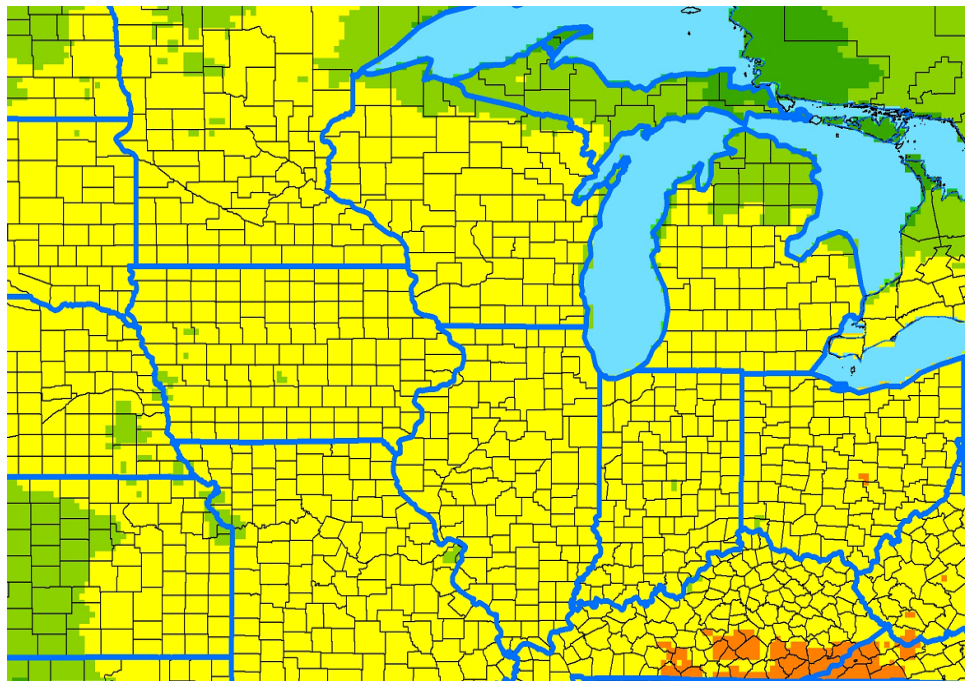
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One-Month Weather Outlook

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One-month risk map



Risk Level
 Very-low Low Moderate High Very-high

Gray Leaf Spot Risk Summary

The risk for gray leaf spot is moderate for most of the Corn Belt.

Next two-week risk interpretation

The conditions for corn gray leaf spot is moderately suitable for most of the Corn Belt, with some areas in KY at high risk. Fields with a corn-corn rotation and crop residue on the soil surface, along with a history of disease, are at greater risk than moderate.

What to do?

High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

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Northern Corn Leaf Blight Risk Forecast

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One-month risk map



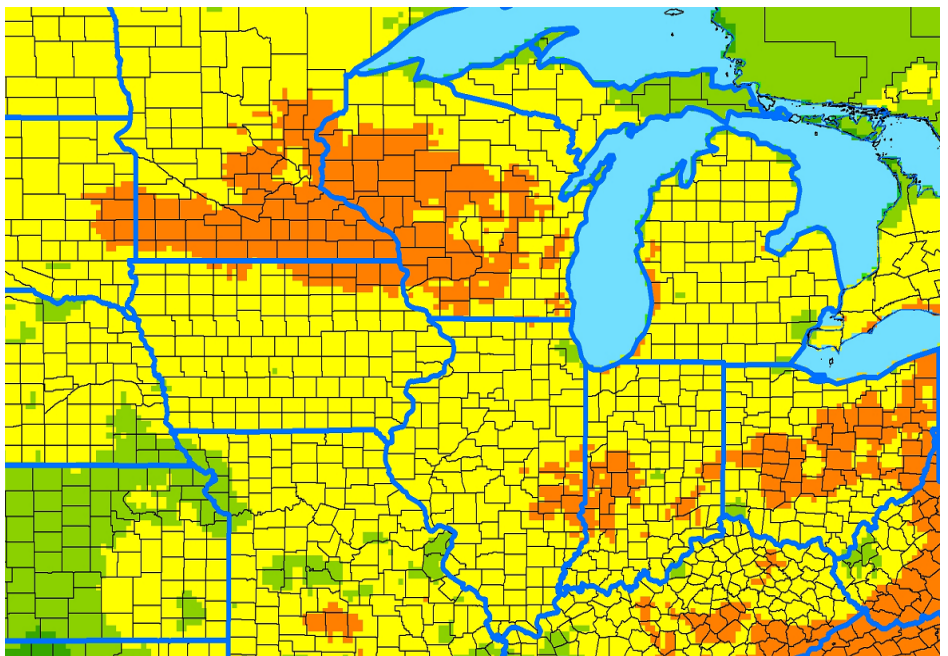
Northern Leaf Blight Risk Summary

The risk of northern corn leaf blight is moderate to high across the Corn Belt.

Next two-week risk interpretation

Conditions over the next two weeks are moderately to highly favorable for NCLB. In regions of orange, the risk is high, especially for late-planted corn. Consider treatment if the disease is detected or found at increasing levels in nearby fields.

What to do?	
High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts



Risk Level Very-low Low Moderate High Very-high

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Corn Common Rust Risk Forecast

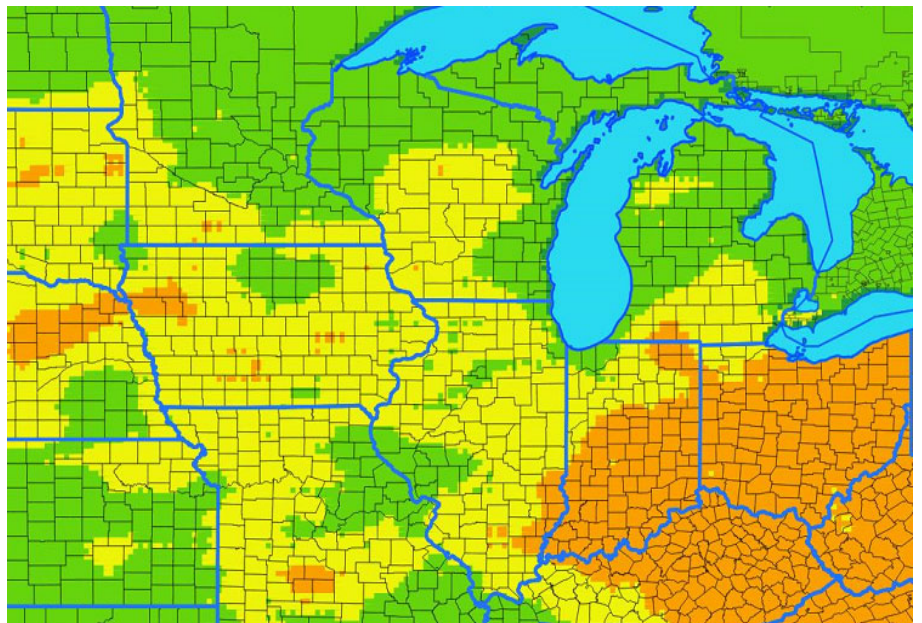
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One month Weather Outlook

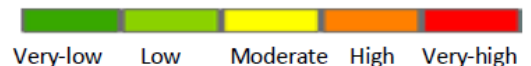
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One-month risk map



Risk Level



What to do?

High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

Common Rust Risk Summary

The risk of corn common rust is high for eastern Corn Belt, and moderate for large portions of the remainder.

Risk interpretation

Recent high temperatures reduced the CCR risk for much of the Midwest, but cooler conditions and a lot of late-planted corn will increase the presence of the disease over the next two weeks. Continue to monitor the disease forecast, because common rust can pick up steam as temperatures cool later in the summer.

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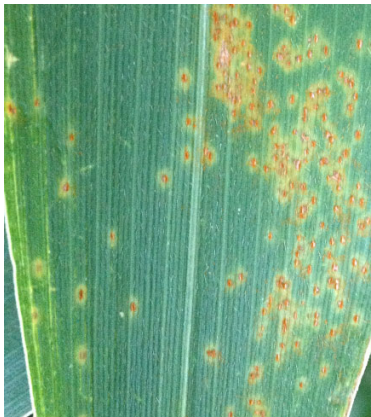


Corn Southern Rust Risk Forecast

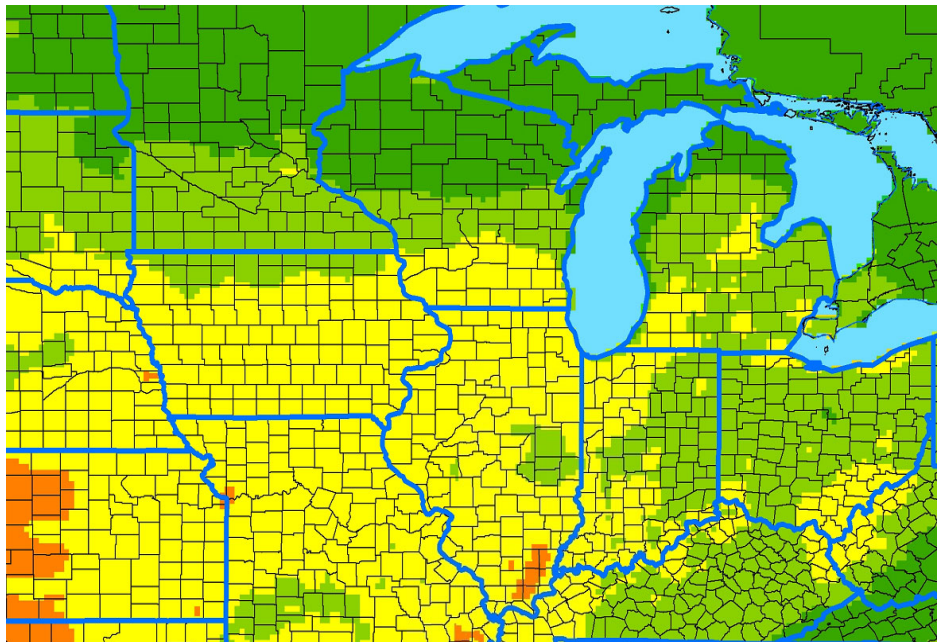
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One-month risk map



Risk Level
 Very-low Low Moderate High Very-high

What to do?	
High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

Southern Rust Risk Summary

The risk of southern corn rust has increased to moderate across the heart of the Corn Belt.

Next 2-week risk interpretation

Southern corn rust risk is moderate for much of the area south of I-90. In areas of yellow, weather conditions are suitable for the development of this disease, and scouting is recommended. Consider treatment if lesions are identified in your fields or nearby fields. Late-planted corn is at higher risk of impact than indicated by this forecast map.

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Corn Tar Spot Risk Forecast

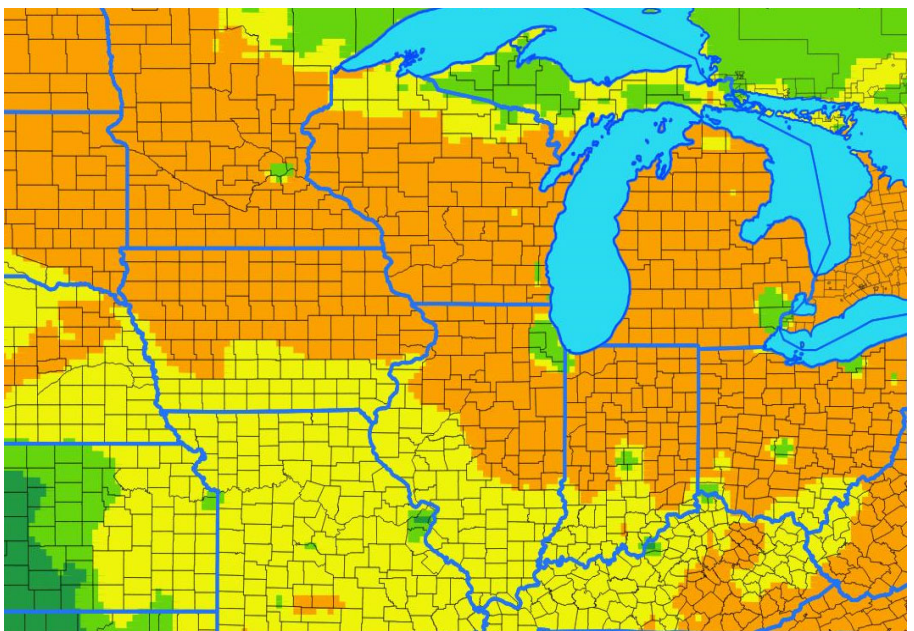
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One month Weather Outlook

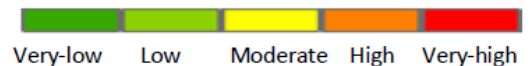
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One-month risk map (weather favorability)



Risk Level



What to do?

High:	Treat fields at the first sign if infection or if infection levels are increasing in neighboring fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

Tar Spot Risk Summary

The risk of tar spot establishment in fields that were infected last year is high.

Next 2-week risk interpretation

Over the next two weeks weather conditions are highly suitable for TS for most areas where TS was identified last year. Consider applying a fungicide if TS lesions are found. For areas that are a distance from fields that were impacted last year, such as KS, SD, ND, NE, western IA, and western MN, the risk of an epidemic is low because of a lack of inoculum.

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