Soybean White Mold Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One-Month Weather Outlook

Over the next 30 days temperatures will fluctuate through the time period, overall staying near normal. Normal precipitation is predicted east of the Mississippi River, with more plentiful rainfall west of the River. During the next two weeks a period of normal temperatures will shift to a period of cooler temperatures west of the Mississippi River. Above normal precipitation is expected for most of the Corn Belt.

One-month risk map

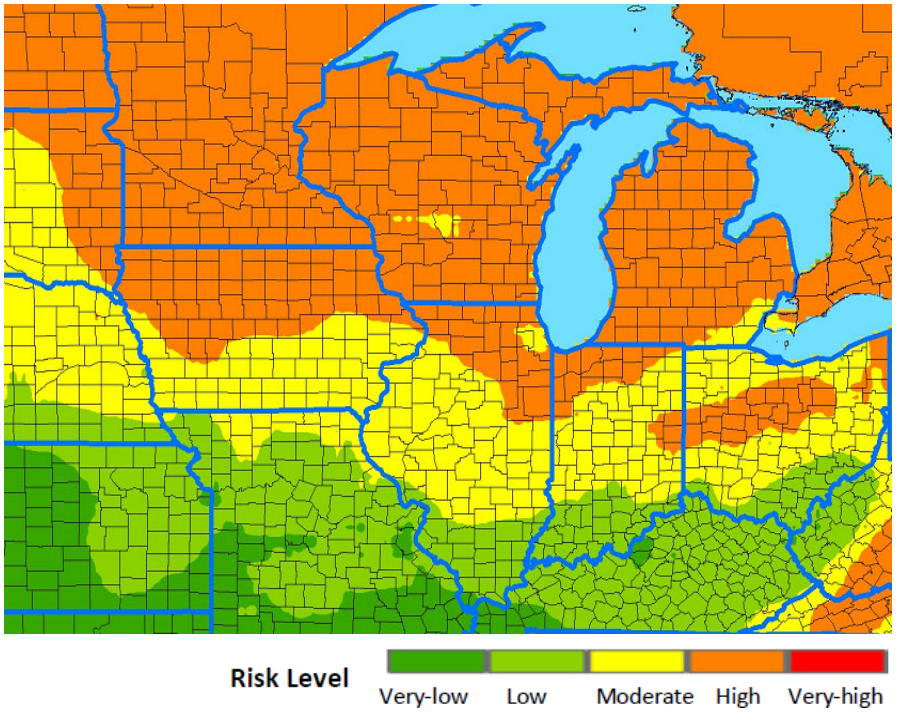
What to do?	
High:	Treat flowering fields that have a closing canopy and a history of white mold infections
Moderate	Scout fields and weigh disease risk factors
Low or Very low	Monitor risk forecasts

White Mold Risk Summary

The risk of white mold infection is generally high north of I-80 for late-planted soybean fields.

Next two-week risk interpretation

In fields with flowering soybeans, the risk for white mold is high north of I-80. If there are no flowers in the lower or middle parts of the canopy, the application window has closed for this disease. The fungus will continue to grow in infected plants. Pay particular attention to soybean fields that are planted in narrow rows and have a history of white mold.



Soybean Brown Spot Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One-Month Weather Outlook

Over the next 30 days temperatures will fluctuate through the time period, overall staying near normal. Normal precipitation is predicted east of the Mississippi River, with more plentiful rainfall west of the River. During the next two weeks a period of normal temperatures will shift to a period of cooler temperatures west of the Mississippi River. Above normal precipitation is expected for most of the Corn Belt.

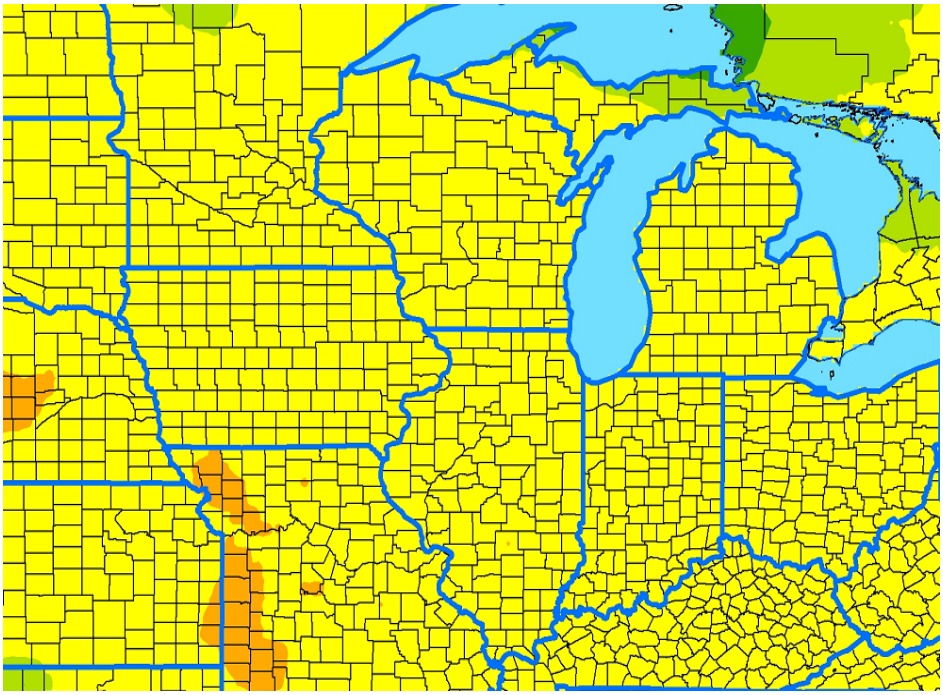
Brown Spot Risk Summary

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 progresses upward during the season.

One-month risk map



Risk Level

Very-low Low Moderate High Very-high

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

Soybean Frogeye Leaf Spot Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One-Month Weather Outlook

Over the next 30 days temperatures will fluctuate through the time period, overall staying near normal. Normal precipitation is predicted east of the Mississippi River, with more plentiful rainfall west of the River. During the next two weeks a period of normal temperatures will shift to a period of cooler temperatures west of the Mississippi River. Above normal precipitation is expected for most of the Corn Belt.

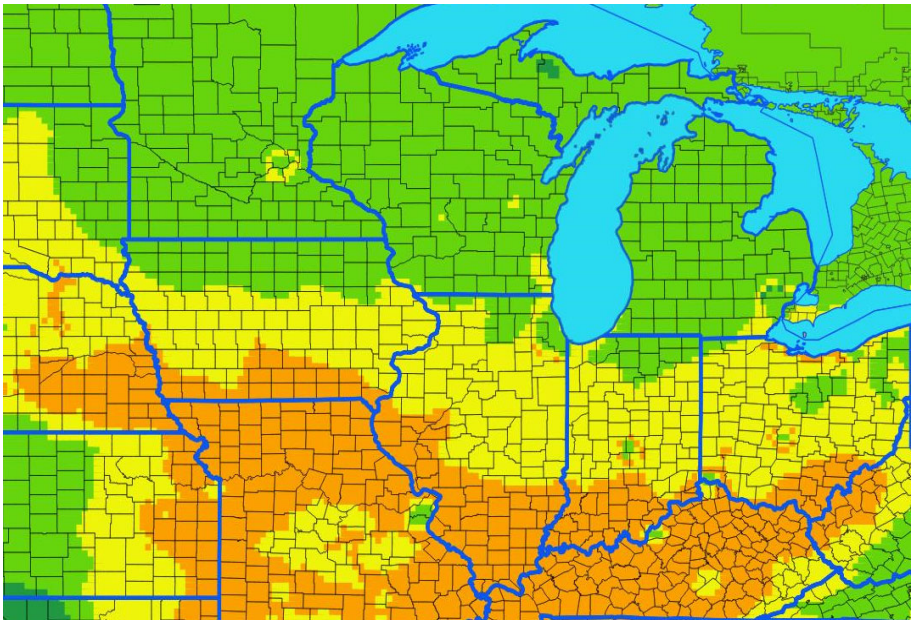
Frogeye Leaf Spot Risk Summary

The risk of soybean frogeye leaf spot is moderate for the southern half of the forecast region, and high for areas extending from eastern KS through western KY.

Next two-week risk interpretation

The FLS disease risk is moderate or high for the southern areas of the forecast map. Treatment is recommended if symptoms are seen on the upper leaves and the plants are at growth stage R4 or younger.

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

Risk Level

Very-low Low Moderate High

Bayer CropScience

Corn Gray Leaf Spot Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One-Month Weather Outlook

Over the next 30 days temperatures will fluctuate through the time period, overall staying near normal. Normal precipitation is predicted east of the Mississippi River, with more plentiful rainfall west of the River. During the next two weeks a period of normal temperatures will shift to a period of cooler temperatures west of the Mississippi River. Above normal precipitation is expected for most of the Corn Belt.

One-month risk map

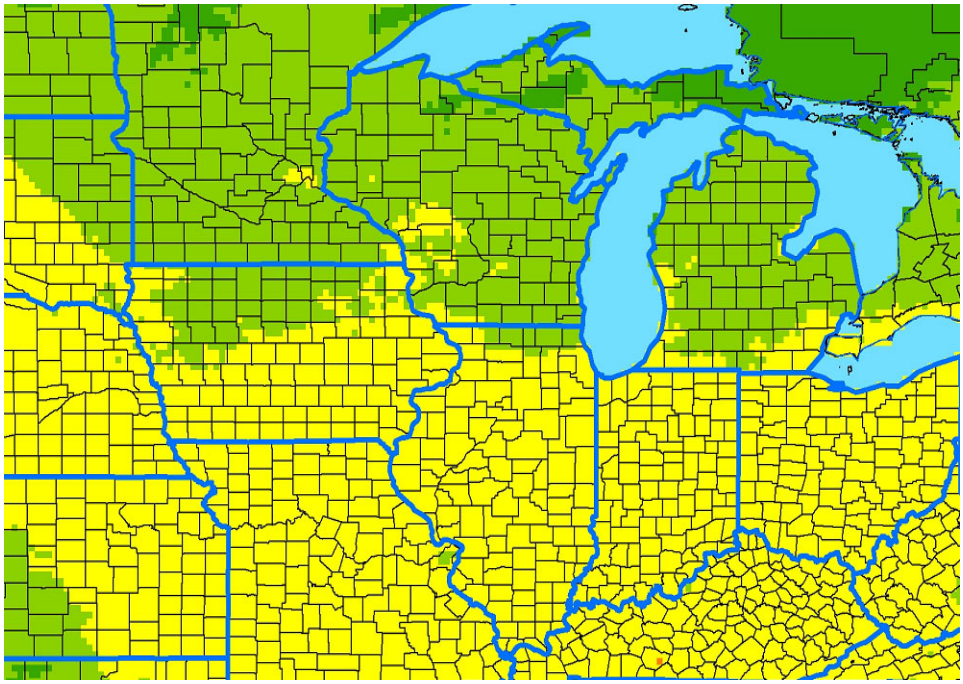
What to do?	
High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

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 are moderately suitable across most of the Corn Belt. Fields in continuous corn and with high crop residue on the soil surface, along with a history of disease, are at higher risk than moderate. Late-planted fields are more vulnerable than early-planted fields.



Risk Level

Very-low Low Moderate High Very-high

Northern Corn Leaf Blight Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One-Month Weather Outlook

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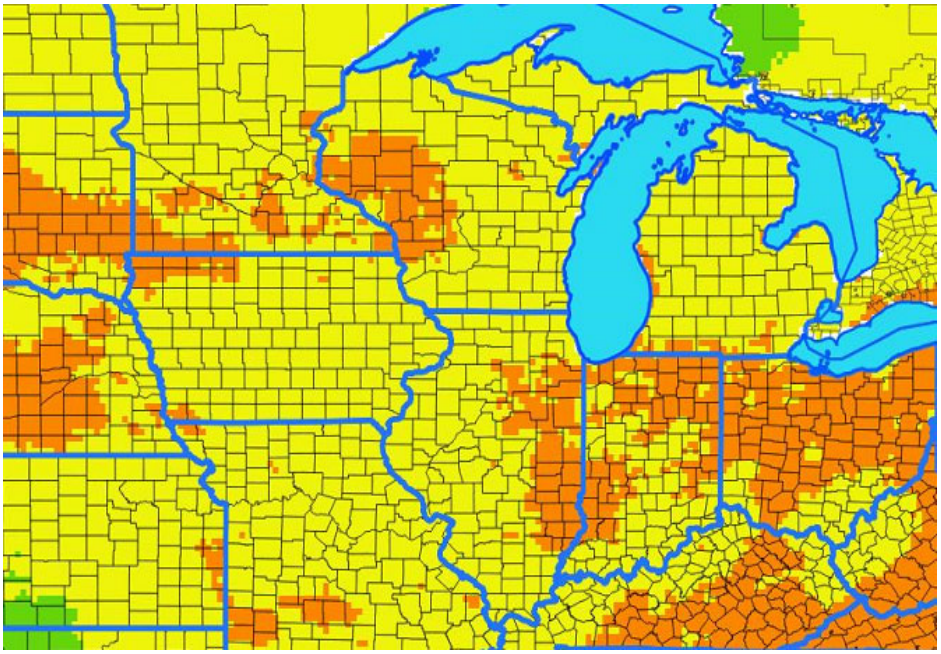
Northern Leaf Blight Risk Summary

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.

One-month risk map



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

Corn Common Rust Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One month Weather Outlook

Over the next 30 days temperatures will fluctuate through the time period, overall staying near normal. Normal precipitation is predicted east of the Mississippi River, with more plentiful rainfall west of the River. During the next two weeks a period of normal temperatures will shift to a period of cooler temperatures west of the Mississippi River. Above normal precipitation is expected for most of the Corn Belt.

One-month risk map

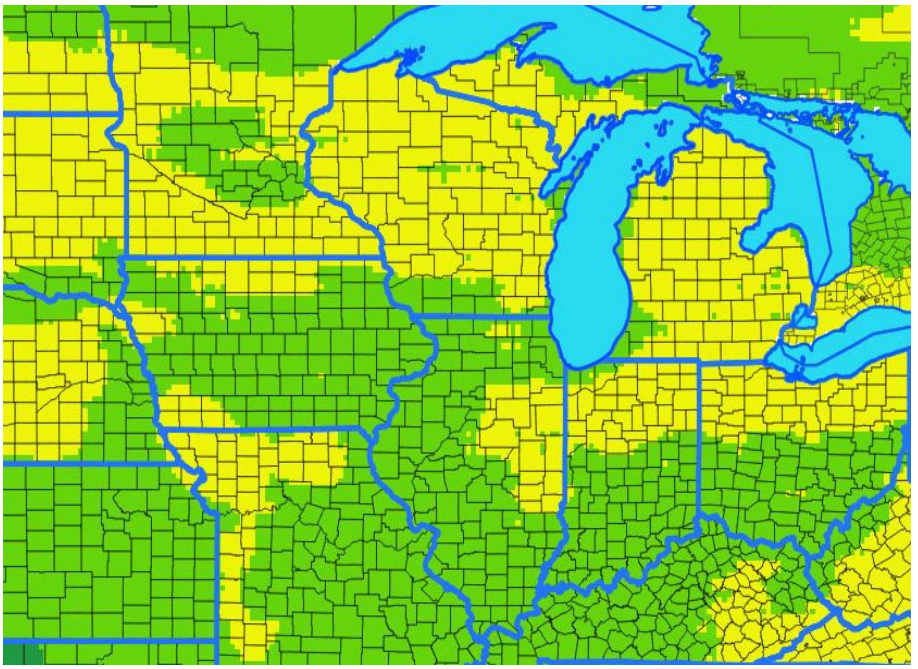
What to do?	
High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

Common Rust Risk Summary

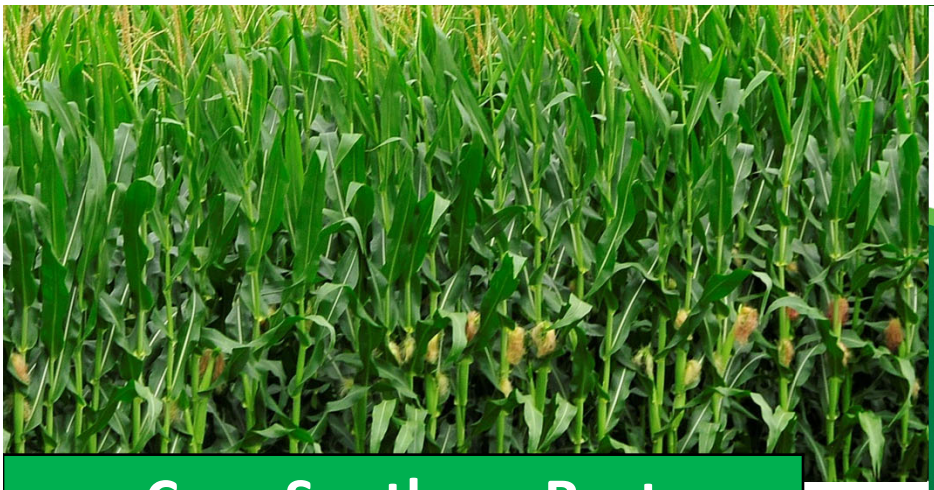
The continued risk of corn common rust is low to moderate for the eastern and northern Corn Belt.

Risk interpretation

The risk of CCR is low to moderate for much of the Corn Belt. Weather conditions for the next two weeks are moderately favorable in the northern parts of the forecast area. The spore load is relatively high, as lesions can be found on most susceptible hybrids. If high incidence of CCR is present, the disease may recover in late summer as temperatures cool down.



Risk Level Very-low Low Moderate High Very-high



Corn Southern Rust Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One month Weather Outlook

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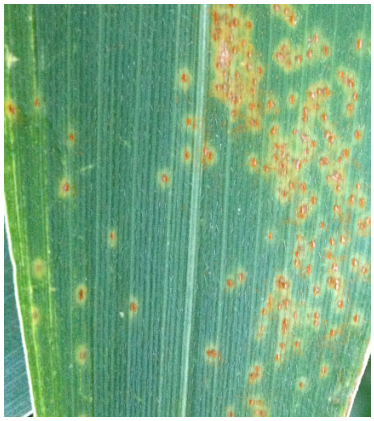


One-month risk map

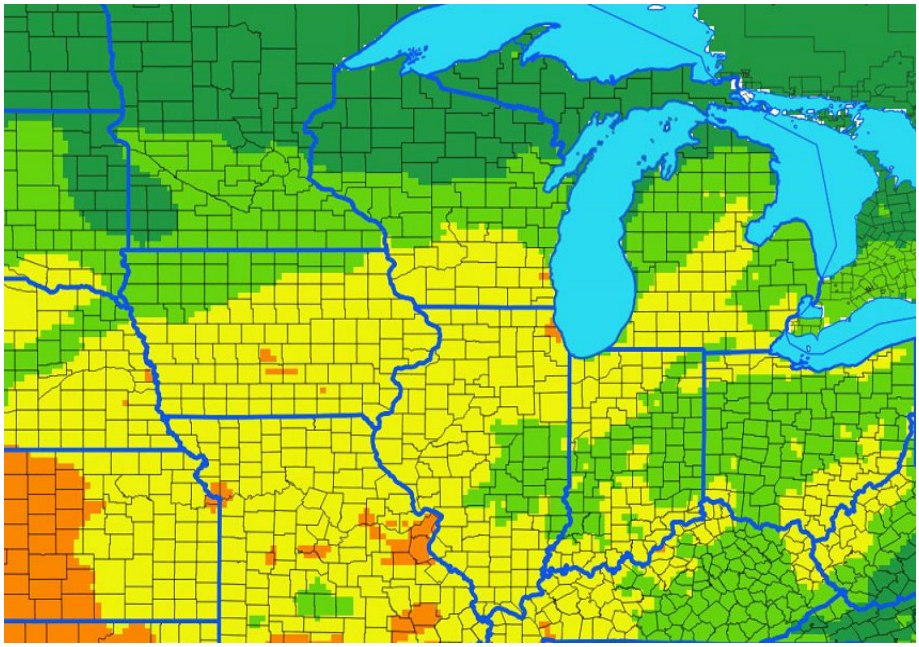
What to do?	
High:	Treat susceptible hybrids and weigh risk factors for other fields
Moderate	Scout fields and treat as conditions warrant
Low or Very low	Monitor risk forecasts

Southern Rust Risk Summary

The risk of southern corn rust is moderate to high for the southwestern quadrant of the forecast area.

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 spores are present, so scouting is recommended. Consider treatment if lesions are identified in your fields or nearby fields and the corn is not yet dented. Late-planted corn is at higher risk than indicted by this forecast map.



Corn Tar Spot Risk Forecast

For period of Aug 18 – Sept 16, Date of Issue: Aug 19, 2019

One month Weather Outlook

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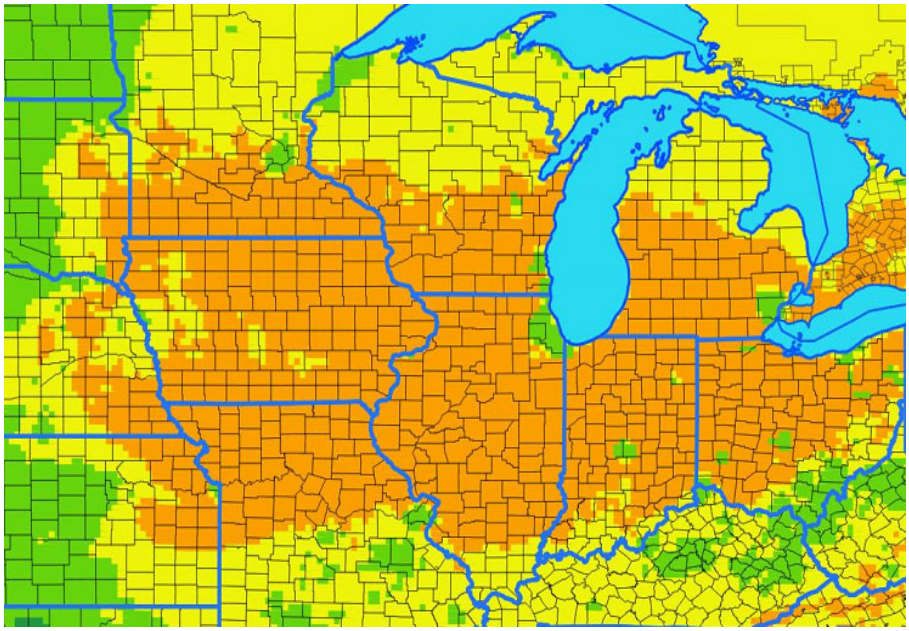
Tar Spot Risk Summary

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

Next 2-week risk interpretation

Weather conditions are 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 areas west of I-35 and MO, the risk of an epidemic is low because of a lack of inoculum on crop residue from last year.

One-month risk map (weather favorability)



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