

# Corn Disease Identification Guide

ID them. Then stop them.



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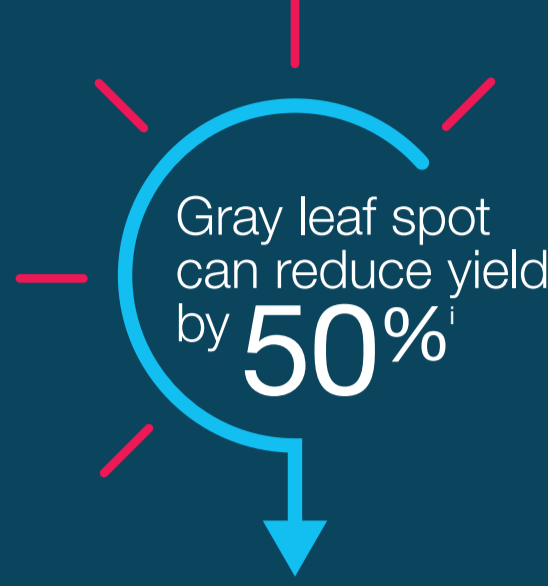
Delaro® delivers unmatched, broad-spectrum control to stop diseases like these key yield-robbers. With the power of its dual modes of action, Delaro promotes nutrient flow to keep corn healthy from root to tassel. So, at harvest, both plants and yield are strong. Talk to a Bayer representative today to learn how Delaro can help protect crops and increase yield.

## Gray leaf spot



Photo courtesy of Thorsten Schwindt, Bayer

**Identifiable features:** Gray or brown lesions, 1/8 inches wide up to 3 inches in length



## Southern rust



Photo courtesy of Randy Myers, Bayer

**Identifiable features:** Small, bright orange pustules with a light green or yellow halo.

Southern rust can reduce yield up to

**45%**<sup>ii</sup>



## Northern corn leaf blight



Photo courtesy of Margaret McGrath, Cornell University, Bugwood.org

**Identifiable features:** Oblong grayish-green/tan lesions, 1 to 7 inches long.

Northern corn leaf blight can reduce yield

by **50%**<sup>iii</sup>



## Anthracnose leaf blight



Photo courtesy of Alison Robertson, Iowa State University

**Identifiable features:** 3/4 inch long brown spots with a yellow, red or brown boarder.

Anthracnose leaf blight can reduce yield up to

**40%**<sup>iv</sup>



## Common rust



Photo courtesy of Darren Mueller, Iowa State University, Bugwood.org

**Identifiable features:** Elongated brown or red-ish pustules.



Common rust can cause **6%** yield loss for every **10%** of infected leaf area.<sup>\*v</sup>

\*Reported in Illinois

## Tar spot



Photo courtesy of Martin Chilvers, Michigan State University

**Identifiable features:** Black spots on leaves.

Tar spot can cause yield loss up to

**44%**<sup>vi</sup>



<sup>i</sup>SOURCE: Wise, K. Diseases of Corn: Gray Leaf Spot. Purdue University Extension, 2010. <https://www.extension.purdue.edu/extmedia/bp/bp-56-w.pdf>

<sup>ii</sup>SOURCE: Jackson-Ziems, T.A. "Rust Diseases of Corn in Nebraska." Nebraska Extension, 2014. <http://extensionpublications.unl.edu/assets/html/g1680/build/g1680.htm>

<sup>iii</sup>SOURCE: Paul, P. "Northern corn leaf blight: earlier than usual this year." Ohio State University Extension, Agronomic Crops Network, 2015. <https://agcrops.osu.edu/newsletter/corn-newsletter/2015-19/northern-corn-leaf-blight-earlier-usual-year>

<sup>iv</sup>SOURCE: Kleczewski, N. "Anthracnose leaf blight and stalk rot of corn." University of Delaware Cooperative Extension, 2014. <http://extension.udel.edu/factsheets/anthracnose-leaf-blight-and-stalk-rot-of-corn/>

<sup>v</sup>SOURCE: Jackson-Ziems, T.A. "Rust diseases of corn in Nebraska." Nebraska Extension NebGuide, 2014. <http://extensionpublications.unl.edu/assets/html/g1680/build/g1680.htm>

<sup>vi</sup>SOURCE: <http://bulletin.ipm.illinois.edu/wp-content/uploads/2018/09/Corn-Hybrid-Response-to-Tar-Spotfin.docx.pdf>