

Good afternoon,

We wanted to bring your attention to corn fungicide timing. Last year, most of southern Ontario farmers were introduced to a new disease: Tar Spot. As dry as it has been for the last few weeks, we still need to have this disease on our radar as morning dews and high humidity are still a perfect environment for this disease to get established. Last week we attended a meeting with Dekalb where we learned about the disease some more. Here is what we learned:

What it looks like:

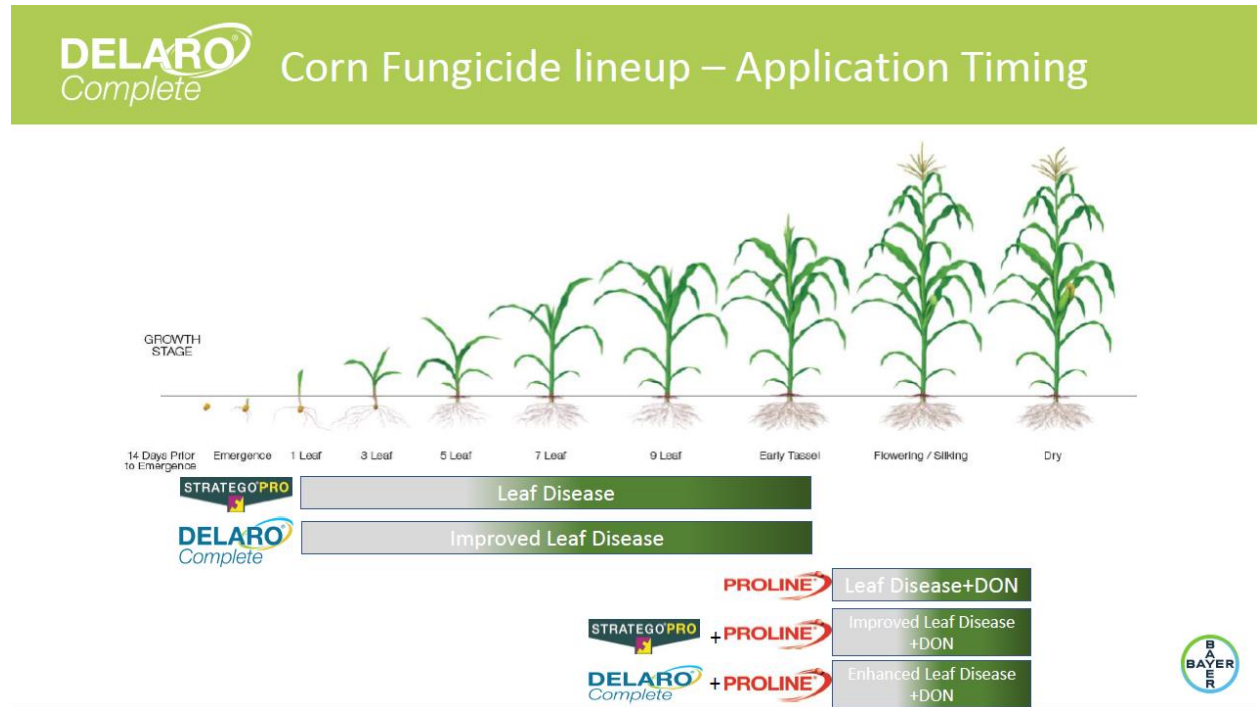


This disease is going to show up on the lower leaves first and is typically where the dew hangs on the longest. They are little black spots that don't rub off.

Control:

Fortunately, we do have great fungicides available to help control this aggressive disease. Delaro Complete from Bayer offers great control of the disease. Bayer and Dekalb recommend for the most protection a R1 timing that pairs well with the timing to reduce DON in corn. A top of half rate Proline will give you the best of both worlds Tar Spot protection and DON suppression. The reason behind a R1 timing is it allows the fungicide to protect longer during grain fill vs a VT timing of some other fungicides.

Here is a timing diagram for staging your corn crop:



Delaro Complete and Proline also offer great suppression of Northern Corn Leaf Blight, Grey Leaf Spot and Stalk rots.

Helpful Link:

[Tar spot in the spotlight](#)

[Ground vs Aerial Application](#)

[Preventative vs. Curative Fungicides | Integrated Crop Management](#)

[Corn Diseases](#)

Also going to add in we have a Western Bean Cut worm trap set up at the shop and Dekalb with others in the area. Stressed crops are often high risk for pests and diseases. Here are the week 1 counts:

Rodney- 71

Bothwell-135

Shedden-23

Dresden-105

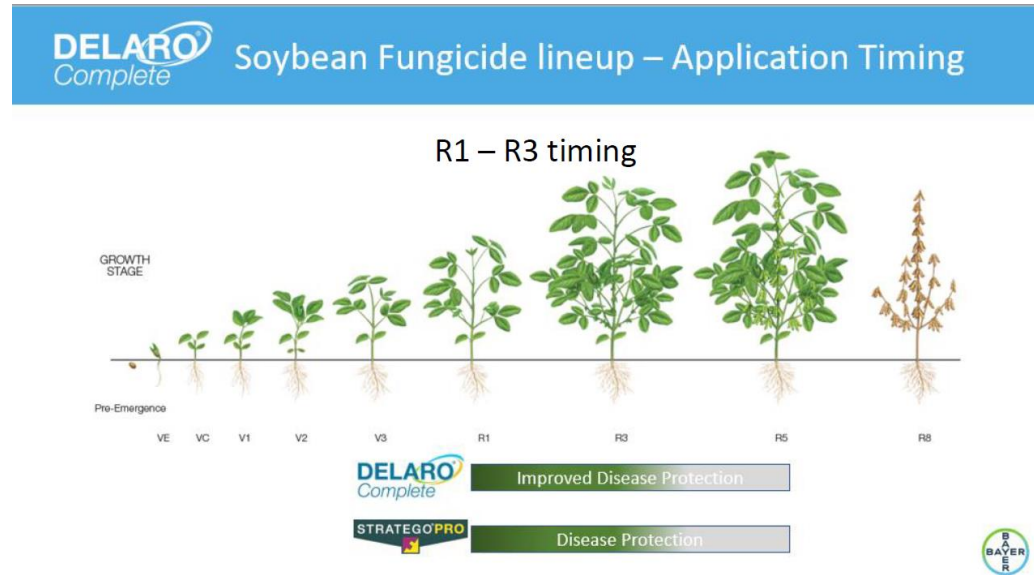
Watford- 113

Forest-106

Soybeans:

Along with Corn we need to protect our soybean yield potential. Delaro is a great option for soybeans and even in drought conditions applying a fungicide will protect the plants from environmental stresses. Heavy dews and humid weather still leave beans at risk for white mould and other soybean diseases.

Timing is between R1 and R3 which many beans will be entering in the next few weeks.



R1 is any flower on the Upper nodes of the plant and R1.5 is when there a small pin bean pods on the lower nodes. R1.5 is the suggest best timing for a single application of Delaro. R3 is getting later and when there are pods less than $\frac{3}{4}$ long in the upper most parts of the plant.



Post Wheat Harvest:

If you were lucky enough to get some wheat in last fall and it survived now is a great time to some compaction breaking tillage. 360 Bullet points lift and fracture more soil than conventional points. Dry conditions offer the best soil conditions to remove compacted layers from previous years. Points in stock and will fit most makes and models of rippers



TILLAGE STUDY RIPPER POINTS

PURPOSE

To evaluate the effects of 360 BULLET® ripper points on fall tillage prior to corn, and their impact on yield.

2019 RESULTS

TREATMENTS	PERCENT MOISTURE	Bt./A.	Bt./A. DIFFERENCE
Control: CIH 7 in. Tiger Point	19.6	143.6	--
360 BULLET®	19.4	141.4	-2.2

These results are based on the disclosed study parameters and participating sites.



GIVEN THE TIGHT CLAY SOILS AT THIS LOCATION, IT'S NOT A SURPRISE THAT THE THREE-YEAR AVERAGE IS POSITIVE FOR 360 BULLET® RIPPER POINTS.

3-YEAR 360 BULLET® YIELD ADVANTAGE



2019 ROOT EVALUATIONS



STUDY INFORMATION | Planted 6/4/2019 | Harvested 10/10/2019 | Population 32,000 Seeds/A. | Row Width 30 in. | Previous Crop Soybeans | Tillage Fall: Disc-Rip. Spring: Field Cultivation | Herbicides Pre: 2 lb. Atrazine, 5.6 oz. Conus®, 1 qt. Roundup PowerMAX® Post: 3 oz. Laudis®, 1 qt. Roundup PowerMAX® | Insecticides Escalate® | Starter 10 gal. 28-0-0 2x2 | Total Nitrogen 190 units as UAN | Brand 5629A4 | Soil Type Crosby-Lewisburg (Silt Loam) | Soil Test Values pH 6.8, O.M. % 2.6, CEC 10.7 | Percent Base Saturation Ca 60.5, Mg 32.6, K 3.9, H 3 | Parts Per Million P 37, K 163, S 4, Zn 3.2, Mn 66, B 0.5

Ontario ON-FARM Climate Action Fund

There is a new cost-share program being rolled out to help Ontario farms tackle climate change. There are 3 areas this program will be targeting:

- Cover Crops
- Nitrogen Management
- Rotational Grazing

What is different about this program from the past is that if you have a valid FBRN number and a valid up-to-date Premises ID number you can apply. You will also need a Crop Nutrient Plan completed by a CCA as well.

Here is the Link going over the Nitrogen Management program requirements:

<https://programguides.ontariosoilcrop.org/program/nitrogen-management/>

Cost Share funding is 65% capped at \$30,000!

Equipment that qualifies are:

Banding equipment like, Conceal, Yetter 2968 Fertilizer openers

Siding dressing equipment: Y-Drops, side dresser

Equipment for later applications of in crop: High clearance spreaders, Y-Drop kits for Self propelled sprayers

Variable Rate controllers

When to Apply? August 3rd to August 17th, 2022

Where to apply? Can apply online or mail it in

Links:

[Brief Overview](#)

[On-Farm Program Guide](#)

[Premise ID Registry](#)

If you were thinking of implementing any of this technology or practices to your operation, we are happy to help.

