



# THE SEED CONSULTANT

A QUARTERLY NEWSLETTER NEWS AND VIEWS FROM THE FIELD

**DO YOU HAVE PROBLEMS WITH SOYBEAN CYST NEMATODE?**

Recognizing the signs

**FUNGAL DISEASES IN CORN**

The two diseases that caused the most yield loss in 2018.

**SPEND 2020 IN PARADISE**

Seed Consultants winter trip information.

**LEADER UPDATE**

Corteva Agriscience completes separation from DowDuPont

# DO YOU HAVE PROBLEMS WITH SOYBEAN CYST NEMATODE?

**By Matt Hutcheson, CCA**

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Typically, soybeans may begin to show symptoms of Soybean Cyst Nematode (SCN) damage by July 1st. SCN is a parasitic roundworm that feeds on the soybean root system. The cyst stage of the nematode's life cycle is when the female nematode is filled with eggs. Cysts are visible throughout

the summer on soybean roots and will appear as small, white, and lemon-shaped.

After the female matures, these cysts are hard

to see. When trying to identify SCN presence on soybean roots, it is important not to confuse cysts with Rhizobium nodules (where N fixation takes place).

How can you determine if SCN is causing damage and yield loss to your soybeans? Injury symptoms include yellowing and stunting of plants. These symptoms may appear in patches of a field. These patches may grow from year to year, especially in the direction a field is tilled. Symptoms may

Planting soybean varieties with resistance to SCN is critical in fields where the parasite is present.

become worse when plants are under other stresses in addition to SCN injury and can be confused with other issues including nutrient deficiencies. Soil in fields where SCN damage

is suspected should be sampled and sent to a lab for analysis. The population level of SCN will determine the specific practices required to manage the problem.

Depending on the population level and the amount of damage being done, growers will have a few management options to consider. Planting soybean varieties with resistance to SCN is critical in fields where the parasite is present. Rotation away from soybeans to a non-host crop (such as corn) can also lessen the amount of SCN injury. In high population fields, growers should rotate to a non-host crop for multiple years. It is also important to effectively control weeds, some of which can be SCN hosts as well. The following chart adapted from OSU Extension Fact Sheet AC-39-10 (<http://ohioline.osu.edu/ac-fact/pdf/0039.pdf>) lists other host plants of SCN.

OTHER HOSTS OF SCN	
Crop Plants	Weed Plants
Alsike clover	Hemp sesbania
Bird's-foot trefoil	Common and mouseear chickweed
Green beans, dry beans	Common mullein
Common and hairy vetch	Henbit
Cowpea	Milk and wood vetch
Crimson clover	Pokeweed
Crown vetch	Common purslane
Lespedezas	Spotted geranium
Pea	Wild mustard
White and yellow lupine	Purple deadnettle
Sweet clover	Field pennycress
	Shepherd's-purse

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Seed Consultants offers opportunities to maximize seed cost savings through an early cash discount schedule for the 2020 planting season.

If you have any questions, please call the office at 800-708-2676.

## CASH DISCOUNTS

16.5%	July
15.5%	August
14%	September
13%	October
12%	November
10%	December-January 5
9%	January
7%	February
4%	March
2%	April



# ENLIST E3™ SOYBEANS

## Exceptional weed control. Ease of use. Excellent yield.

Enlist E3™ soybeans offer the most advanced trait technology available in soybeans, providing a new standard for weed control and yield performance. Tolerance to 2,4-D choline, glyphosate and glufosinate allow you to use Enlist Duo® or Enlist One® herbicide to get tough weeds out of the way, so each Enlist E3 soybean can achieve full genetic potential.

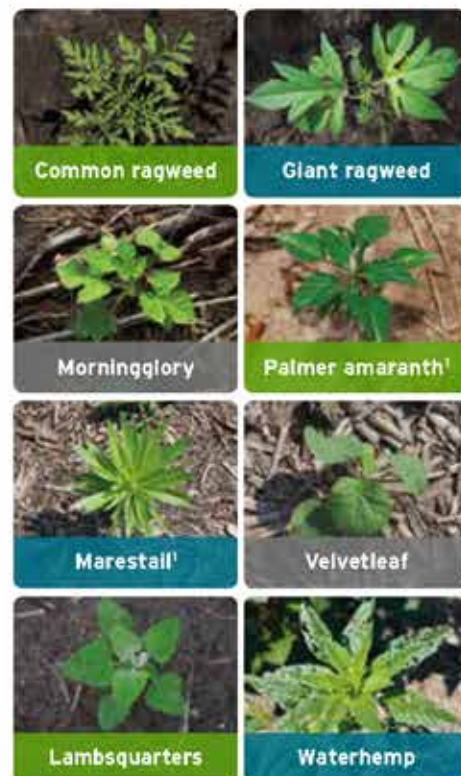
### WIDE APPLICATION WINDOW

#### Enlist E3™ soybeans

No later than R2 (full flower)

Enlist E3™ soybeans have no plant-back restrictions after using an Enlist™ herbicide for burndown.

Even the toughest weeds don't stand a chance, including:



## The Enlist™ weed control system: an easy fit for your operation.

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- A wide application window and the versatility of Enlist herbicides make them easy to incorporate into your weed management plan.

"The genetics were top-notch. The Enlist beans yielded really good and met my expectations."

— Kevin Miller,  
Ohio soybean farmer

"After application, I could see no evidence at all on the beans. There was no burn or wrinkling of leaves at all. The crop tolerance is a big value."

— Josh Turner,  
Missouri soybean farmer



## Complete convenience.

Only Enlist Duo® herbicide combines the proven performance of 2,4-D choline and glyphosate. The two modes of action work together to deliver control of yield-robbing weeds and help prevent resistance.

### APPLICATION RATE

Glyphosate-resistant  
or hard-to-control weeds

4.75 pt./A



## Additional tank-mix flexibility.

Enlist One® herbicide provides additional tank-mix flexibility with glufosinate and other qualified tank-mix products, allowing for a customized weed control program to fit each farm. Farmers gain superior control of resistant and hard-to-control broadleaf weeds.

### APPLICATION RATE

Glyphosate-resistant  
or hard-to-control weeds

2 pt./A

## On-target application.

### 90% less drift than traditional 2,4-D

The drift reduction from Colex-D® technology combines with low-drift nozzles to cut drift by as much as 90% compared with traditional 2,4-D.

### 96% less volatile than 2,4-D ester

Near-zero volatility – up to 96% less than 2,4-D ester – helps keep Enlist™ herbicides in place and improve control.

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<sup>1</sup>May require a broader management plan including timely application and use of a soil residual herbicide.

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# FUNGAL DISEASES IN CORN

**By Bill McDonald, CCA**  
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In 2018 we saw a tremendous amount of leaf disease pressure in both corn and soybeans. In this article we'll talk about the two diseases that hit us the hardest in corn. We will cover soybeans in a later article. The two diseases that caused the most yield loss in 2018 were Gray Leaf Spot and Northern Corn Leaf Blight.

## GRAY LEAF SPOT (GLS)

The fungus that causes Gray Leaf Spot (GLS) overwinters in the corn residue and on the soil surface. As temperatures and humidity rise in late spring, and in combination with moist conditions, spores begin to develop on the residue. Wind will spread the spores to this year's corn plants.

GLS usually appears on the lower leaves of the corn plant before it starts to silk. When it first appears, it will look like a small necrotic (dead or dying) spot on the leaf. If you pull the leaf off the plant and hold it up to the sun you will usually see a halo around it. As GLS progresses it will elongate

but will not cross the leaf veins. It will also turn to a tan or brown color. If conditions are favorable, eventually the lesions will all grow together leaving you with a dead leaf that no longer has the ability to produce sugars resulting in significant yield loss. This disease usually kicks into high gear in late July or early August.



Gray Leaf Spot  
photo courtesy of Crop Protection Network

## NORTHERN CORN LEAF BLIGHT (NCLB)

The fungus that causes NCLB overwinters and spreads the same way as GLS.

The lesions of NCLB are cigar shaped. These lesions are not contained by the leaf veins. If conditions are favorable the lesion will spread to all the leafy parts of the plant, including the ear husk. Eventually if not contained these lesions will become so numerous that leaf will be destroyed.

Also, just like GLS, NCLB like Warm, Moist, Humid environment. One difference is that GLS needs approximately 12 hours of moisture where NCLB only requires about 6 hours.

We had a lot of pressure last year, there was a lot of trash left on the surface, so we have a lot of potential for these two diseases again this year. So, am I saying that we should plan on an application of a fungicide at VT? No, I'm not. We need to have all the components that cause the

spread of these diseases present. If we have a variety with excellent resistance or we have dry conditions, the disease will not cause a significant enough problem to warrant the cost of the fungicide application.

If, however you have questions as to if you need to spray a fungicide, don't hesitate to ask your DSM



Northern Corn Leaf Blight  
photo courtesy of Crop Protection Network

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# GETTING MORE OUT OF YOUR DOUBLE CROP SOYBEANS

**By Jordan Bassler**

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Many of you by now are harvesting or have harvested any barley, wheat, rye, etc. that you have planted last fall. A common practice after harvest is to plant soybeans, i.e. double crop soybeans. Often this soybean crop is viewed as a “bonus”, whereas the small grain was the main crop and anything more off those acres is money in the bank. But what if you could produce more bushels per acre, and make yourself even more profitable?? The following points are just a few things you may want to consider before planting those double crop soybeans so you possibly could have the best year yet!

Use full season soybean varieties. This may seem backwards due to the time of year that you are planting double crop soybeans. By using full season soybeans, you do not have to settle for yield drag due to shorter maturity. Harvest becomes easier because typically full season varieties are taller and have more length between nodes so the combine head does

not need to scrape the ground to collect every possible soybean. The following charts from Ohio State University show proper maturities compared to planting date as well as potential profit:

Aim to plant more plants per acre and consider using a drill. Yes, it is true that corn planters give better seed depth consistently, but by July rain is typically shut off over most of our territory. Planting in narrow 7” or 7.5” rows we can conserve more water due canopy and shading. Next, planting at a higher population should

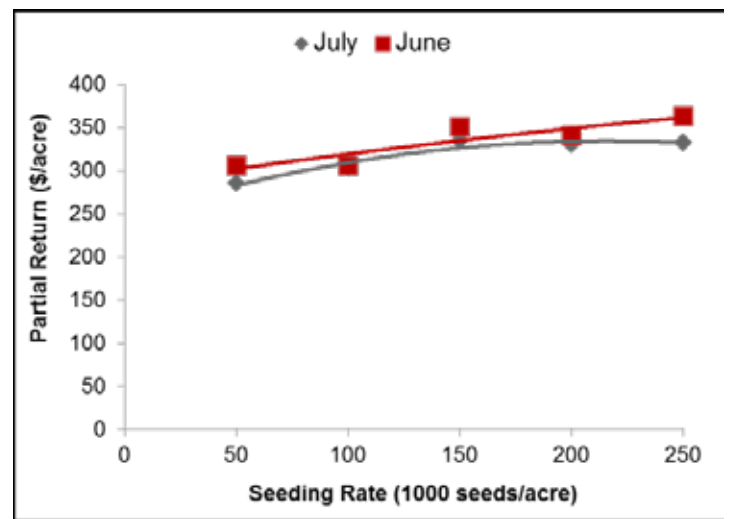
	Planting Date	Suitable RM
Northern Ohio	June 1-15	3.2-3.8
	June 15-30	3.1-3.5
	July 1-10	3.0-3.3
Central Ohio	June 1-15	3.4-4.0
	June 15-30	3.3-3.7
	July 1-10	3.2-3.5
Southern Ohio	June 1-15	3.6-4.2
	June 15-30	3.5-3.9
	July 1-10	3.4-3.7



give us more plants per acre at our final stand. Competition in soybeans promotes growth, and again making harvest easier. Another positive that comes from soybeans being taller this time of year is weed control. Taller soybeans will provide better canopy closure and help keep weeds at bay.

Lastly, consider harvesting wheat slightly higher in moisture than normal. According to Michigan State University, wheat can safely be harvest at 18% - 20% moisture without harming or damaging kernels. Michigan State University also states that in early July, soybeans will lose one bushel per day every day planting is delayed. Time is crucial.

By following these and easy strategies, you could potentially produce the highest yielding double



crop soybeans you ever have. Keep this mind this summer as you harvest wheat and prepare to plant your double crop soybeans. And as always, be sure to contact your local Seed Consultants seedsman or dealer for recommendations on the best varieties to use.



# SCI 2020 CUSTOMER TRIP MONTEGO BAY, JAMAICA

## JANUARY 18-JANUARY 24, 2020



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The resort offers a wide variety of activities including 3 luxurious pools, swim-up bar, hot tub and white sand beach. Spend the days enjoying a variety of fun-filled activities and sports. The fitness center provides an expansive array of personal services, featuring the newest in cardiovascular and weight training equipment. The Watersports Center offers non-motorized rentals along with snorkeling, kayaks, boogie boards and more. The Zen Spa is the perfect haven to pamper yourself with a relaxing massage.

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### Meeting Planner Contact Information:

Phone: 800-826-3464

Hours: Monday – Friday 9A – 5P EST  
[sarah@mtievents.com](mailto:sarah@mtievents.com)

*Space is limited! Early reservations are recommended!*

### TRIP COST (EXCLUDING AIR) AT HYATT ZILARA ROSE HALL:

- Single Occupancy: \$3,090
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*Occupancy of the same room by more than 2 adults is not allowed. All guests must be 18 years old and older. For additional rooming rates, please contact Sarah Walsh at [sarah@mtievents.com](mailto:sarah@mtievents.com).*

A limited number of rooms are held for guests wanting to bring children at the Hyatt Ziva Rose Hall. Please call for pricing.

### AIR COSTS:

- Air is not included with the above trip costs but must be booked through MTI Events in order to attend the trip.
- If attendee wishes to check current airfare rates before registering and submitting the non-refundable deposit, they may call MTI Events at 913-438-2600 x 118. Hours are Monday – Friday, 9:00 AM – 5:00 PM EST. Airfare rates are subject to change until ticketed.
- After registration has been submitted and non-refundable deposit received, MTI Events will email the attendee with flight options and costs. There are no restrictions on fares or departure city.
- Attendee is responsible for any costs associated with flight changes.
- Airline points may be used to book airfare. Tickets must be booked directly with the airline. MTI has no control over frequent flier seat availability.

### PAYMENTS:

- \$500 (per person) non-refundable deposit due after online registration and before air is booked.
- Full trip payment is due by Friday, November 8, 2019 and is non-refundable.

All checks should be for trip expenses only and made payable to MTI.

Checks should be mailed to the following address:  
MTI Events • ATTN: SCI Jamaica  
10400 W. 103rd Street, Suite 10  
Overland Park, KS 66214



# LEADER UPDATE

**By Daniel Call, CCA**  
General Manager

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It is our honor to serve you with the innovative seed, crop protection, digital and agronomic products and services that help you improve the productivity and profitability of your farming operation.

I am pleased to share that Corteva Agriscience successfully completed the separation from DowDuPont on June 1, to become a leading global stand-alone agriculture company, dedicated to improving the lives of those who produce and those who consume for generations to come.

On June 3, Corteva launched with global scale and a balanced offering across Seed, Crop Protection & Specialty and Digital products and services. We will continue to innovate and develop new solutions, and we remain focused on sustainability – for our customers, the environment and our communities.

Please be assured that we remain committed to your success and will continue to serve you with the high-quality products and services you expect

from us. The way we do business is not changing, nor is the way you receive products and services. You may continue to see some Dow and DuPont logos on packaging and labelling as we complete the transition.

Seed Consultants is Corteva's Eastern Regional Seed Brand. Eastern farmers have different needs. They have different environments, different weather, and we've always focused our germplasm and our traits to fulfill those customer needs. As the eastern regional brand for Corteva Agriscience, we get to home in on that even more and be more laser-focused.

Thank you for your business and the trust you place in our team, and Corteva.

If you have any questions or would like more information, please contact your local representative. For more information about Corteva or to view our updated Privacy Statement, please visit [www.corteva.com](http://www.corteva.com).





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RR2X: DO NOT APPLY DICAMBA HERBICIDE IN-CROP TO SOYBEANS WITH Roundup Ready 2 Xtend® technology unless you use a dicamba herbicide product that is specifically labeled for that use in the location where you intend to make the application. IT IS A VIOLATION OF FEDERAL AND STATE LAW TO MAKE AN IN-CROP APPLICATION OF ANY DICAMBA HERBICIDE PRODUCT ON SOYBEANS WITH Roundup Ready 2 Xtend® technology, OR ANY OTHER PESTICIDE APPLICATION, UNLESS THE PRODUCT LABELING SPECIFICALLY AUTHORIZES THE USE. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with soybeans with Roundup Ready 2 Xtend® technology.

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