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# The Seed Consultant



A BI-MONTHLY NEWSLETTER NEWS AND VIEWS FROM THE FIELD

## What is the Right Maturity and Population for Double Crop Soybeans?

Many of our customers find it profitable to double-crop soybeans. A reoccurring question many of our growers ask is, "What is the right population and which maturity should I plant?" As many of you know, many factors contribute to yield potential such as planting date, final stand populations, varietal selection, soil fertility, rain fall, planting conditions, etc.

According to Jim Beuerlein (now retired OSU Extension Specialist), "late planting reduces our cultural practice options for row spacing, seeding rate and variety maturity. For the last half of June, 225,000 to 250,000 seeds per acre are recommended, and in early July drop 250,000 to 275,000 seeds per acre."

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**Seed Consultants, Inc.**

**800-708-2676**

**[www.seedconsultants.com](http://www.seedconsultants.com)**

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in the Seed Industry™**



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# What is the Right Maturity...

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Soybeans are not like corn because they are photoperiod sensitive. The amount of daylight the plant receives triggers its reproductive cycle. The date and timing of physiological maturity are affected by day length and the stage of seed development in the uppermost pods on the plants. Relative maturity (RM) has little effect on yield for plantings made during the first three weeks of May but the effect can be large for late plantings. During the first half of June, a 4-day delay in planting delays physiological maturity about one day. In the last half of June it takes a 5-day planting delay to delay physiological maturity a day. As planting is delayed, yield potential decreases and there is concern about whether late maturing varieties will mature before a killing frost.

When planting late, the rule-of-thumb is to plant the latest possible maturing variety that will reach physiological maturity before the first killing frost. The reason for using late maturing varieties for late planting is to allow vegetative growth for as long as possible to produce nodes where pods can form before flowering and pod formation. Also, it is recommended to plant taller varieties that will allow for greater amounts of pods to form because more nodes equals more pods and more yield. So we need late maturing varieties that will mature before getting frosted but since we never know when the first frost will occur, we use a narrow maturity range that will not be damaged by frost occurring at the normal time. (C.O.R.N.)



# Corn Leaf Diseases

As the 2017 growing season continues, producers across the Eastern Corn Belt will begin to put more thought toward their production plans and management decisions for the upcoming season. One challenge that has affected corn yields in our sales territory over the past few years is foliar disease, especially Northern Corn Leaf Blight. Anyone who attended one of our Winter Agronomy Meetings heard a discussion of what conditions promote diseases (Northern Corn Leaf Blight and Gray Leaf Spot) and possible management options. You might ask, "What are the important management options that will protect yield from leaf diseases?" Although some of the important management practices have already been performed (crop rotation, hybrid selection, and tillage) growers still have opportunities to protect their corn from disease as discussed in the following list:

- **Scouting:** Scouting fields is an important part of a management plan. Walk corn fields right before tassel emergence to determine disease presence and severity.
- **Identify which diseases are present:** Having the ability to identify specific diseases is a critical piece in managing GLS and NCLB. NCLB symptoms are brown or tan cigar-shaped lesions, ranging from one to six inches in length. GLS symptoms are tan or gray rectangles with parallel or straight sides, ranging from half an inch to four inches in length.
- **Effective use of fungicides:** Whether or not to apply fungicides has become a more challenging question with lower commodity prices. Many factors must be considered when determining if a fungicide application is necessary, including: hybrid resistance, disease severity, stage of crop development, expected yield benefit, etc.

While we don't know if the weather for the 2017 growing season will be conducive for development of yield-reducing disease, we do know that there is disease inoculum in crop residue from the 2016 growing season. Should the right patterns of weather develop, producers in the Eastern Corn Belt could be looking at another year where leaf diseases threaten corn yields. As always, if diseases become a problem Seed Consultants' knowledgeable sales staff and agronomy team are available to help customers determine where and when to apply fungicides.



# Is Soybean Cyst Nematode Impacting Your Soybean Yields?

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 become worse when plants are under other stresses in addition to SCN injury and can be confused with

other issues, such as 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.





# SCI 2017 Wheat Varieties

Wheat profitability in 2017 will depend upon many factors from planting to harvest. Selecting the best variety is the first step for a successful crop in your fields. When selecting the right variety one needs to include the variety's characteristics of maturity, winter hardiness, test weight, yield potential, and good agronomics with disease tolerance/resistance.

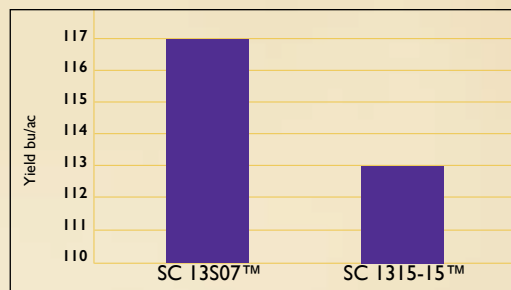
Throughout OH, IN, IL, KY, and MI, Seed Consultants conducts on-farm testing of the different wheat varieties as well as planting its own Replicated Research Wheat Plots. SCI participates in university's Wheat Performance Trials as well. We test existing varieties and new lines to help you make the right selection for your area.

## SC 13S07™ brand NEW

Maturity: Medium Early

- Fhb1 Gene—Type II Scab Resistance
- Outstanding head scab resistance with top-end yield potential
- 12th in 6 location summary of 2016 SC Replicated Testing; 117bu/acre
- Excellent standability
- Excellent early variety for double-crop acres
- Patent Pending

2016 Summary of SC Replicated Testing—18 yield plots, 6 locations

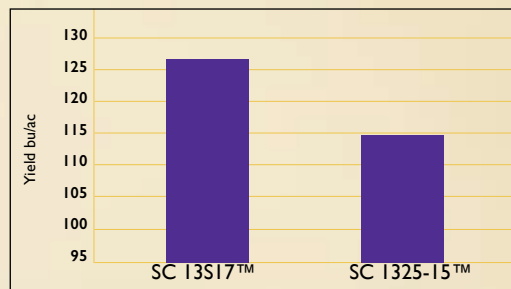


## SC 13S17™ brand NEW

Maturity: Medium

- Fhb1 Gene—Type II Scab Resistance
- Outstanding defensive characteristics, but responds to intensive management
- Exceptional test weight
- Strong adaptation to OH, IN, and KY growing conditions
- Patent Pending

2016 S. OH Replicated Testing Locations—9 yield plots, 3 locations

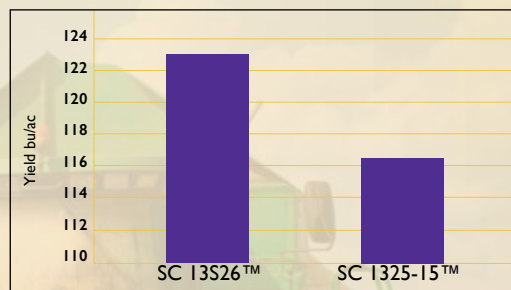


## SC 13S26™ brand

Maturity: Medium

- Fhb1 Gene—Type II Scab Resistance
- 2nd in 2016 Summary of Replicated testing; 122.5bu/acre
- Exceptional test weight, standability, and winter hardiness
- Very good Leaf and Glume Blotch resistance
- Very good tillering and strong early growth
- Medium height variety that produces quality straw
- Patent Pending

2016 Summary of SC Replicated Testing—18 yield plots, 6 locations

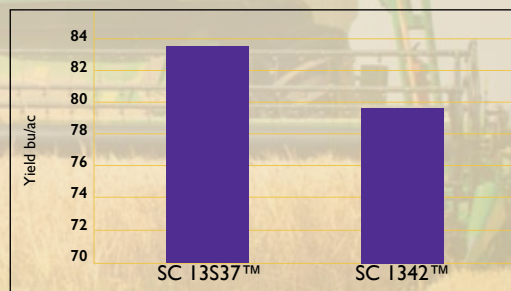


## SC 13S37™ brand NEW

Maturity: Medium Late

- Fhb1 Gene—Type II Scab Resistance
- Replacement for SC 1342™ with improved test weight and scab resistance
- Smooth head and medium-tall height for exceptional straw
- Outstanding stripe rust tolerance
- Strong eastern Corn Belt adaptation
- 3.7 bu/acre advantage over SC 1342™ in eastern Corn Belt testing
- Patent Pending

2016 Summary of SC Replicated Testing—18 yield plots, 6 locations



Product performance is variable and depends on many factors such as moisture and heat stress, soil type, management practices and environmental stress as well as disease and pest pressures. Individual results may vary.



# SCI Yield Contests

In addition to state and national yield contests, Seed Consultants also offers company wide yield contests. Seed Consultants is committed to helping entrants in yield contests and any customer who enters will receive frequent tips, advice, and agronomic updates via email. Below are the contest categories and awards structure for Seed Consultants, Inc. yield contests:

## CONTESTS

- Project 300 Corn Yield Contest
- Project 100 Soybean Yield Contest
- Project 150 Wheat Yield Contest

## AWARDS

Awards for the winners of each SCI yield contests are:

- 1st place:  
Prize of \$1,000 in SC and/or Supreme EX® brand Seed
- 2nd place:  
Prize of \$750 in SC and/or Supreme EX® brand Seed
- 3rd place:  
Prize of \$500 in SC and/or Supreme EX® brand Seed

### What are the benefits of entering one of these contests?

- Customers who enter will receive timely and practical agronomic advice sent via email from Seed Consultants' agronomists

### Tips for success in yield contests

- Seek insight from agronomists on past contest winners' successful methods.
- Use new information and methods to improve production.

Data and information from these contests will be compiled and sent to entrants in an effort to promote sound management practices that will help our customers improve their productivity.

To find out more about the complete rules and requirements for each contest and to learn how to sign up, contact your area seedsman or visit [www.seedconsultants.com/sci-yield-contest/](http://www.seedconsultants.com/sci-yield-contest/)

NO PURCHASE NECESSARY. A PURCHASE WILL NOT INCREASE YOUR CHANCES OF WINNING. The 2017 Seed Consultants Yield Contests are open to residents of the 50 United States who own or operate a farming operation. Contests subject in all respects to the Official Contest rules, available by mailing a self-addressed stamped envelope to Yield Contest Rules Request at sponsor's address below, and to the official rules of any applicable state or national yield contest. Enter by participating in a state, national, or Seed Consultants corn, soybean, or wheat yield contest using Seed Consultants or Supreme EX brand seed and submitting a completed an entry form available by contacting your Seed Consultants, Inc. sales representative or visit: [www.seedconsultants.com/sci-yield-contest/](http://www.seedconsultants.com/sci-yield-contest/) To enter without purchase, contact sponsor at the address listed below to request seed for contest entry. Contest start and end periods vary by contest—see Official Rules for more information. Winners will receive seed prizes, as stated in Official Rules. Winner receives the highest prize level attained if they win both the NCGA Yield Contest and the SCI Yield Contest with the same entry. Total value of all prizes depends on number of winners of national and state contests. Minimum ARV of all prizes is \$6,750. Odds: The winners of the Contest will not be determined at random, but rather by their ability to grow a high yielding grain crop. Void where prohibited by law. Sponsor: Seed Consultants, Inc., P.O. Box 370, 648 Miami Trace Rd. SW, Washington C.H., OH 43160.



Supreme  
EX  
brand seed

\*Supreme EX® brand seed is distributed by Seed Consultants.





# Financing Programs

*John Deere Financial Preferred Customer and/or RABO financing programs only available to approved customers. To apply for a John Deere Financial Preferred Account or RABO account or to increase your John Deere Financial or RABO line of credit, contact your SCI representative, so the necessary paperwork can be completed with John Deere Financial and/or RABO.*

Finance Plan	A	B
Purchase & Approval Date	John Deere Financial	RABO
	Fixed 0%	Fixed 0%
In Season	0.0%	0.0%

Call and have your spring balance applied to John Deere Financial or RABO by June 30, 2017.

# SAVE THE DATE!

## SCI 2018 CUSTOMER TRIP



### THE WESTIN MAUI RESORT AND SPA KA'ANAPALI BEACH Maui, Hawaii • January 19-26, 2018

#### Hotel:

The Westin Maui Resort & Spa  
Ka'anapali Beach

#### Duration:

7 nights, 8 days

#### Potential Activities:

Island Tours  
Volcano Tours  
Whale Watching  
Various Island Hopping  
Fishing  
Traditional Hawaiian Luau  
Pearl Harbor Tours  
Snorkeling  
Swimming  
Hiking  
Road to Hana



Stay tuned for registration information and important deadlines in late-July.



# Between the Rows

*Updates from Daniel Call, general manager*

Just like most springs in the eastern Corn Belt this one has been full of challenges. Excessive rain, cold soils, soil borne diseases, insects and tough soil conditions just to name a few. It seems as if difficult springs have become more of the norm than the exception. That is why working with Seed Consultants, a company focused on the eastern Corn Belt, allows you access to genetics, traits and seed treatment packages which give you the best opportunity for success on your farm during these difficult springs.

Through extensive replicated testing on the eastern Corn Belt soil types we have identified the hybrids and varieties most adaptable to these types of springs. Hybrids and varieties bred with strong emergence and early season vigor. We are also able to focus our genetic selections to the varieties most resilient to local diseases such as phytophthora root rot both through gene resistance and field tolerance and products with strong Sudden Death Syndrome tolerance.

An area which we have really focused additional efforts over the past 4 years has been on seed treatments. Seed treatments have become ever more important as we have continually struggled with difficult springs such as this year. We now have a package of 5 different fungicides applied to every unit of corn we sell regardless of the insecticide treatment on the seed. Additionally, we have added a biological amendment on the seed which improves early season growth, development and vigor. When you take a look at our soybean treatment package we have loaded it up as well to give our customers the best possible opportunity for stand establishment during these tough springs. Every treated unit of Seed Consultants soybeans contains 3 different fungicides as well as a biological stimulant.

Seed Consultants strives to offer our customers industry leading genetics and treatments such as these in order to help improve their productivity and profitability. We want to arm you with the best options available to succeed during difficult springs such as these. Continuing our commitment to being, "Simply, the Best Value in the Seed Industry™."

*Successfully,*

*Daniel Call*





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## DON'T MISS OUR WEEKLY EMAIL NEWSLETTER!

The SCI free e-newsletter comes via e-mail every Monday. The newsletter is packed full of current agronomic topics. Subscribe by sending your e-mail address to [matt@seedconsultants.com](mailto:matt@seedconsultants.com) or by signing up on our website at [www.seedconsultants.com](http://www.seedconsultants.com).



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RR2Y: Always follow grain marketing, stewardship practices and pesticide label directions. Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Genuity®, Roundup® and Roundup Ready 2 Yield® are registered trademarks of Monsanto Technology LLC used under license. Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

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.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Soybeans with Roundup Ready 2 Xtend® technology contain genes that confer tolerance to glyphosate and dicamba. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba.

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