



## Southern Minnesota Beet Sugar Cooperative

83550 County Road 21, Renville, Minnesota 56284

December 6, 2017

Dear SMBSC Shareholder,

A revision has been made to the documents shared on November 28<sup>th</sup>, 2017. This revision includes an additional variety that has been approved for Test Market sale on up to 10% of the 2018 crop. After discussions with the SMBSC Seed Committee and Seed Companies, we have been able to source some seed for one conventional variety for 2018. This Conventional Test Market Variety is Hilleshög 3035RZ. It has been tested in the SMBSC Conventional Variety Trials for two years, with Disease Nursery data collected from one year. Table 2 and Table 3 have been updated to reflect this information.

Seed of this conventional variety will be brought in from Europe once SMBSC knows how many units have been ordered. **If you are interested in planting this variety we recommend speaking with your Agriculturalist soon to ensure a full understanding of how to be successful with this variety**, especially concerning the conventional herbicide requirements.

As before, the following documents found on the SMBSC website will provide information regarding the varieties approved for planting at SMBSC in 2018. The variety approval information can be found on [www.smbc.com](http://www.smbc.com) under the **Agronomic Sustainability** tab and then the **Variety Information** link on the drop-down menu that appears, near the bottom of the list.

1. List of approved varieties for the 2018 crop.
2. Table 1. Comparison of 2018 Fully Approved varieties to Test Market and Specialty based on three year data (2015-2017).
3. Table 2. Comparison of 2018 Fully Approved varieties to Test Market and Specialty based on two year data (2016-2017).
4. Table 3. Comparison of 2018 Fully Approved varieties to Test Market and Specialty based on one year data (2017).
5. Data from the *Aphanomyces* Root Rot, *Cercospora* Leaf Spot, and *Rhizoctonia* Root Rot Nurseries from 2015-2017.
6. Results of 2017 SMBSC Agricultural Staff Variety Strip Trials.

Your agriculturist is an excellent source of information regarding variety placement in your 2018 fields. Be sure to use this resource when placing your 2018 sugar beet seed order. Seed ordering information and pricing will be available in early December.

Sincerely,

Cody Groen  
Production Agronomist

Mark Bloomquist  
Research Director



## Southern Minnesota Beet Sugar Cooperative

83550 County Road 21, Renville, Minnesota 56284

November 28, 2017

Dear SMBSC Shareholder,

SMBSC conducted four Official Variety Trials within the Cooperative growing area in 2017. These trials were located near Renville, Hector, Lake Lillian, and Murdock. All four of the sites were harvested, and the data from all four locations were combined and used in the variety approval process for the 2018 crop. In addition to the yield data from these sites, varieties were also evaluated for *Aphanomyces* Root Rot, *Cercospora* Leafspot, and *Rhizoctonia* Root Rot at various disease nurseries. The 2017 data was combined with the 2016 and 2015 Official Trial data and is summarized in the enclosed packet.

There are five varieties that make Full Approval Status for 2018. Six varieties achieve Test Market Status for 2018. Test market status allows a variety to be planted on up to 10% of the Cooperative's acreage. Test market status is designed to give shareholders a look at new varieties that have potential to make Full Approval or Specialty Approval Status for the 2019 crop. Four varieties were approved as *Rhizoctonia* Specialty Varieties. Three varieties were approved as *Cercospora* Specialty Varieties. These three varieties have the best tolerance to *Cercospora* of any varieties on the approved list. One variety was approved as an *Aphanomyces* Specialty Variety for 2018. The *Aphanomyces* Specialty Variety is also a Fully Approved Variety for 2018.

In addition to this letter, the following documents found on the SMBSC website will provide information regarding the varieties approved for planting at SMBSC in 2018. The variety approval information can be found on [www.smbc.com](http://www.smbc.com) under the **Agronomic Sustainability** tab and then the **Variety Information** link on the drop-down menu that appears, near the bottom of the list.

1. List of approved varieties for the 2018 crop.
2. Table 1. Comparison of 2018 Fully Approved varieties to Test Market and Specialty based on three year data (2015-2017).
3. Table 2. Comparison of 2018 Fully Approved varieties to Test Market and Specialty based on two year data (2016-2017).
4. Table 3. Comparison of 2018 Fully Approved varieties to Test Market and Specialty based on one year data (2017).
5. Data from the *Aphanomyces* Root Rot, *Cercospora* Leaf Spot, and *Rhizoctonia* Root Rot Nurseries from 2015-2017.
6. Results of 2017 SMBSC Agricultural Staff Variety Strip Trials.

Your agriculturist is an excellent source of information regarding variety placement in your 2018 fields. Be sure to use this resource when placing your 2018 sugar beet seed order. Seed ordering information and pricing will be available in early December.

Sincerely,

Cody Groen  
Production Agronomist

Mark Bloomquist  
Research Director

# **SMBSC APPROVED VARIETIES 2018**

## **FULLY APPROVED UNLIMITED SALES VARIETIES**

**Beta 92RR30 (Aphanomyces)**  
**Beta 9475 (Cercospora)**  
**Crystal M375**  
**Crystal M380**  
**Crystal M579**

## **APHANOMYCES SPECIALTY APPROVED VARIETIES**

**Beta 92RR30**

## **TEST MARKET VARIETIES**

(Sales shall not exceed 10% of total sales per variety)

**Beta 9606**  
**Beta 9661**  
**Beta 9666**  
**Crystal M623**  
**SV RR863**  
**SV RR958**

## **CERCOSPORA SPECIALTY APPROVED VARIETIES**

**Beta 9505**  
**SVRR863**  
**Beta 9475**

## **CONVENTIONAL TEST MARKET VARIETIES**

(Sales shall not exceed 10% of total sales per variety)

**Hilleshog 3035RZ**

## **RHIZOCTONIA SPECIALTY APPROVED VARIETIES**

**Crystal RR018**  
**Hilleshog 9739**  
**Hilleshog 9093RR**  
**Maribo MA109RR**

## **HIGH SUGAR SPECIALTY APPROVED VARIETIES**

**Crystal M579**  
**Beta 9666**