



## Southern Minnesota Beet Sugar Cooperative

83550 County Road 21, Renville, Minnesota 56284

November 19, 2019

Dear SMBSC Shareholder,

SMBSC conducted four Official Variety Trials within the Cooperative growing area in 2019. These trials were located near Wood Lake, Hector, Lake Lillian, and Murdock. Three of the sites were harvested as the Wood Lake site was abandoned in June due to drown out. The data from Hector, Lake Lillian, and Murdock locations were combined and used in the variety seed approval process for the 2020 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 2019 data was combined with the 2018 and 2017 Official Trial data and is summarized in the data sheets found at the website below.

There are three varieties that make Full Approval Status for 2020. Seven varieties achieve Test Market Status for the coming crop. 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 crops one or two years away. Three varieties were approved as Rhizoctonia Specialty Varieties. Eleven varieties were approved as Cercospora Specialty Varieties. No varieties were approved as Aphanomyces Specialty Varieties for this coming crop.

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 2020. 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 2020 crop.
2. Table 1. Comparison of 2020 Fully Approved varieties to Test Market and Specialty based on three year data (2017-2019).
3. Table 2. Comparison of 2020 Fully Approved varieties to Test Market and Specialty based on two year data (2018-2019).
4. Table 3. Comparison of 2020 Fully Approved varieties to Test Market and Specialty based on one year data (2019).
5. Data from the Aphanomyces root rot, Cercospora leafspot, and Rhizoctonia root rot nurseries from 2017-2019.
6. Results of 2019 SMBSC Agricultural Staff Variety Strip Trials.

Your agriculturist is an excellent source of information regarding variety placement in your 2020 fields. Be sure to use this resource when placing your 2020 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 2020

## FULLY APPROVED

### UNLIMITED SALES VARIETIES

Beta 9475

Beta 9780 (Cercospora)

Crystal M579

### TEST MARKET VARIETIES

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

Beta 9810 (Cercospora)

Crystal M821 (Cercospora)

Crystal M837 (Cercospora)

Hill 2327

Maribo MA801 (Cercospora)

SV 881 (Cercospora)

SV 883

## CERCOSPORA SPECIALTY

### APPROVED VARIETIES

Beta 9780

Beta 9810

Crystal M509

Crystal M821

Crystal M837

Hill 2219

Hill 9739

Maribo MA801

SV 881

SV RR862

SV RR863

## RHIZOCTONIA SPECIALTY

### APPROVED VARIETES

Crystal M623

Hill 9739

Crystal RR018