



Southern Minnesota Beet Sugar Cooperative

83550 County Road 21, Renville, Minnesota 56284

November 29, 2021

Dear SMBSC Shareholder,

SMBSC conducted four Official Variety Trials within the Cooperative growing area in 2021. These trials were located near Wood Lake, Hector, Lake Lillian, and Murdock. All four sites were harvested and the data combined and used in the variety seed approval process for the 2022 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 2021 data was combined with the 2020 and 2019 Official Trial data and is summarized in the data sheets found at the website below.

There are five varieties that make Full Approval Status for 2022. Five 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. Nine varieties were approved as *Rhizoctonia* Specialty Varieties, which includes many of the fully approved varieties. Six 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 2022. The variety approval information can be found on 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 2022 crop.
2. Table 1. Comparison of 2022 Fully Approved varieties to Test Market and Specialty based on three year data (2019-2021).
3. Table 2. Comparison of 2022 Fully Approved varieties to Test Market and Specialty based on two year data (2020-2021).
4. Table 3. Comparison of 2022 Fully Approved varieties to Test Market and Specialty based on one year data (2021).
5. Data from the *Aphanomyces* root rot, *Cercospora* leafspot, and *Rhizoctonia* root rot nurseries from 2019-2021.
6. Results of 2021 SMBSC Agricultural Staff Variety Strip Trials.

Your agriculturist is an excellent source of information regarding variety placement in your 2022 fields. Be sure to use this resource when placing your 2022 sugar beet seed order. Seed ordering information and pricing will be available in early December.

Sincerely,

Cody Groen
Production Agronomist

Mark Bloomquist
Director of Research

SMBSC APPROVED VARIETIES 2022

FULLY APPROVED

UNLIMITED SALES VARIETIES

Crystal M837

SV RR862

SV RR863

SV 881

SV 883

TEST MARKET VARIETIES

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

Hilleshog 2379

Beta 9044

Beta 9088

Crystal M028

Crystal M089

CERCOSPORA SPECIALTY

APPROVED VARIETIES

Beta 9952

Beta 9986

Beta 9098

Crystal M951

Crystal M002

Crystal M089

RHIZOCTONIA SPECIALTY

APPROVED VARIETIES

Beta 9952

Hilleshog 2219

Crystal M977

SV RR862

SV 883

SV 894

SV RR863

Hilleshog 2327

SV 881