



Southern Minnesota Beet Sugar Cooperative

83550 County Road 21, Renville, Minnesota 56284

November 22, 2022

Dear SMBSC Shareholder,

SMBSC conducted four Official Variety Trials within the Cooperative growing area in 2022. These trials were located near Wood Lake, Hector, Lake Lillian, and Murdock. All four sites were harvested, and the data was combined and used in the variety seed approval process for the 2023 crop. In addition to the yield data from these sites, varieties were also evaluated for *Aphanomyces* root rot, *Cercospora* leaf spot, and *Rhizoctonia* root rot at various disease nurseries. The 2022 data was combined with the 2021 and 2020 Official Trial data and is summarized in the data sheets found on the website below.

There are eight varieties that make Full Approval Status for 2023. Nine 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 the potential to make Full Approval or Specialty Approval Status for crops one or two years away. Two varieties were approved as *Aphanomyces* and *Rhizoctonia* Specialty Varieties. No varieties were approved as *Cercospora* 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 2023. The variety approval information can be found at www.smbc.com on the **Agronomy** page, then click on the **Variety and Seed** option.

1. List of approved varieties for the 2023 crop.
2. Table 1. Comparison of 2023 Fully Approved varieties to Test Market and Specialty based on three year data (2020-2022).
3. Table 2. Comparison of 2023 Fully Approved varieties to Test Market and Specialty based on two year data (2021-2022).
4. Table 3. Comparison of 2023 Fully Approved varieties to Test Market and Specialty based on one year data (2022).
5. Data from the *Aphanomyces* root rot, *Cercospora* leafspot, and *Rhizoctonia* root rot nurseries from 2020-2022.
6. Results of 2023 SMBSC Agricultural Staff Variety Strip Trials.

Your agriculturist is an excellent source of information regarding variety placement in your 2023 fields. Be sure to use this resource when placing your 2023 sugar beet seed order. Seed ordering information and pricing will be available in early December.

Sincerely,

Neil Olson
Production Agronomist

Mark Bloomquist
Director of Research

SMBSC APPROVED VARIETIES 2023

FULLY APPROVED

UNLIMITED SALES VARIETIES

**Beta 9044
Beta 9098
Crystal M002
Crystal M028
Hilleshog 2327
Hilleshog 2379
SV 881
SV RR863**

TEST MARKET VARIETIES

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

**Beta 9088
Beta 9124
Beta 9131
Beta 9155
Crystal M106
Crystal M168
Hilleshog 2395
Hilleshog 2398
Hilleshog 2399**

Last Year of Sales

**Beta 9986
SV 883
SV RR862**

APH SPECIALTY

APPROVED VARIETIES

**Crystal M977
Crystal M089**

RHIZOCTONIA SPECIALTY

APPROVED VARIETIES

**Crystal M977
Crystal M089**