



## Southern Minnesota Beet Sugar Cooperative

83550 County Road 21, Renville, Minnesota 56284

November 28, 2023

Dear SMBSC Shareholder,

In 2023, SMBSC conducted four Official Variety Trials within the Cooperative growing area. These trials were located near Renville, 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 2024 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 2023 data was combined with the 2022 and 2021 Official Trial data and is summarized in the data sheets found on the website below.

For the 2024 crop, SMBSC has granted Full Approval Status to seven varieties and Test Market Status to five varieties, the latter of which allows planting on up to 10% of the Cooperative acreage. This Test Market Status aims to introduce shareholders to new varieties that have the potential to achieve Full or Specialty Approval in one to two years. Additionally, one variety has been approved as an *Aphanomyces* Specialty Variety, five as *Rhizoctonia* Specialty Varieties, and one as a *Cercospora* Specialty Variety. However, no varieties have been approved as High Sugar Specialty Varieties for the upcoming 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 2024. The variety approval information can be found at [www.smbc.com](http://www.smbc.com) on the **Agronomy** page, **then** click on the **Variety and Seed** option.

1. List of approved varieties for the 2024 crop.
2. Table 1. Comparison of 2024 Fully Approved varieties to Test Market and Specialty based on three-year data (2021-2023).
3. Table 2. Comparison of 2024 Fully Approved varieties to Test Market and Specialty based on two-year data (2022-2023).
4. Table 3. Comparison of 2024 Fully Approved varieties to Test Market and Specialty based on one-year data (2023).
5. Data from the *Aphanomyces* root rot, *Cercospora* leafspot, and *Rhizoctonia* root rot nurseries from 2021-2023.
6. Results of 2024 SMBSC Agricultural Staff Variety Strip Trials.
7. Preliminary 2023 Ag Practice Database Variety Information

Your agriculturist is an excellent source of information regarding variety placement in your 2024 fields. Be sure to utilize their expertise when placing your sugar beet seed orders. Seed ordering information and pricing will be available in early December.

Sincerely,

A handwritten signature in black ink, appearing to read "Neil Olson".

Neil Olson  
Production Agronomist

A handwritten signature in black ink, appearing to read "Mark Bloomquist".

Mark Bloomquist  
Director of Research

# SMBSC APPROVED VARIETIES 2024

## FULLY APPROVED

### UNLIMITED SALES VARIETIES

Beta 9044  
Beta 9098  
Beta 9124  
Beta 9131  
Crystal M028  
Crystal M106  
Crystal M168

### TEST MARKET VARIETIES

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

Beta 9291  
Beta 9284  
Hilleshog 2395  
Hilleshog 2398  
Hilleshog 2449

### Last Year of Sales

Hilleshog 2327  
Hilleshog 2379

## APH SPECIALTY

### APPROVED VARIETIES

Crystal M977

## RHIZOCTONIA SPECIALTY

### APPROVED VARIETIES

Beta 9131  
Beta 9155  
Crystal M089  
Crystal M977  
SV RR863

## CLS SPECIALTY

### APPROVED VARIETIES

Beta 9291

## HIGH SUGAR SPECIALTY

### APPROVED VARIETIES

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