



SUGARBEET SEED  
ACH SEEDS®



# Product Guide 2025

**SOUTHERN MINNESOTA BEET SUGAR COOPERATIVE**

# Plant sugarbeet seed developed with your growth in mind.

See a valuable difference in your season.

All Southern Minnesota Beet Sugar varieties are designed to arm you against local pest and disease pressures to help maximize your sugar content and tonnage at harvest. All varieties have tolerance to Aphanomyces, Rhizoctonia and Fusarium, and are bred to also include strong rhizomania tolerance.

Our Diamond Plated® Seed treatment series fights seedling diseases to protect your plants' genetic potential from the start.



SILVER

**Contact your local ACH Seeds  
Crystal brand sales representative  
to learn more.**

## From Steckling to Seed: A Two-Year Process

Before you can grow sugarbeets,  
we have to grow the seed.

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We're proud to produce the seed that keeps you growing.

Your productivity and profitability are our top priorities. That's why our breeding, sales and marketing teams dedicate an entire decade to the development of innovative, new seed varieties.



# Timeline for 2025 Seed Delivery

YEAR ONE

1. Determine what varieties will best serve evolving market needs based on environment, challenges and grower preferences.  
*October 2022 – January 2023*
2. Plant stecklings in Arizona to start the first seed production year (pre-vernalization).  
*July – September 2023*
3. Review trial data and proceed with only the varieties that meet our high standards.  
*Early December 2023*
4. Harvest stecklings and start vernalization by placing them in cold storage.  
*Late December 2023*
5. Transplant stecklings in Oregon and Washington to start the second part of the seed production cycle (post-vernalization). Oregon and Washington offer ideal growing conditions during this phase of seed production.  
*January – March 2024*
6. Harvest commercial seed production and prepare for processing.  
*August 2024*
7. Seed is processed, treated and packaged for sale. Each seed lot is meticulously analyzed for quality.  
*September 2024 – February 2025*
8. Deliver seed varieties that fit the unique needs for each field to our customers.  
*Scheduled for spring 2025*



Using **steckling** production techniques provides flexibility, security and speed to more accurately meet customer demand. As stecklings are produced in the open environment, seed size and the amount of seeds produced are subject to the growing season conditions.



**Vernalization** is the process by which plants use a prolonged cold period (winter) to promote flowering. Using controlled conditions to simulate this naturally occurring event enables the use of off-season production in Arizona with minimal risk to loss during freezing conditions in Oregon and Washington.

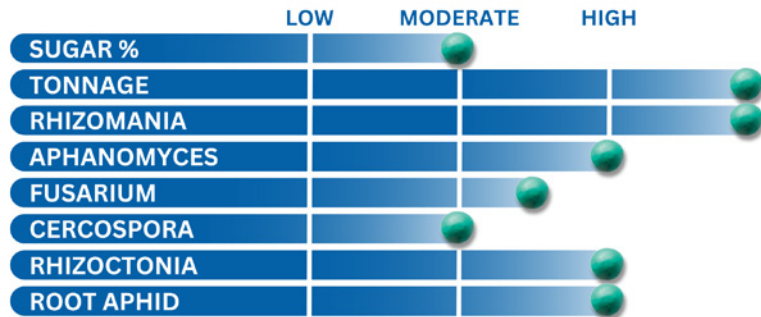
YEAR TWO



# Southern Minnesota Varieties

## CRYSTAL M977

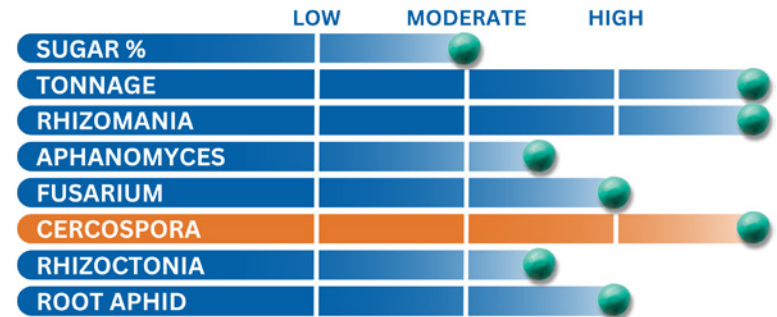
- Consistent, field-proven performance with excellent sugar per acre
- Balanced disease package with impressive Rhizoctonia tolerance
- Multisource rhizomania tolerance



## CRYSTAL M089

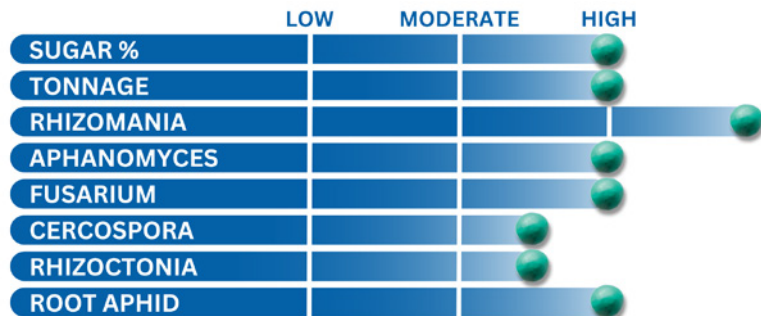
CR+

- High-performing variety with good sugar per acre
- Solid root rot package with good Rhizoctonia, Aphanomyces and Fusarium tolerance
- Multisource rhizomania tolerance



## CRYSTAL M106

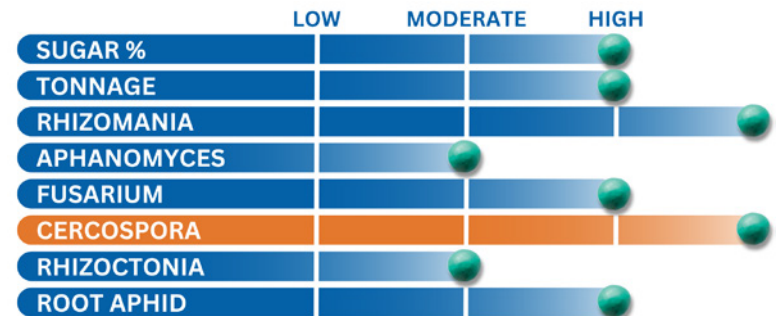
- High sugar per acre with good balance of sugar and tonnage
- Strong disease package including Rhizoctonia, Aphanomyces and Fusarium
- Multisource rhizomania tolerance



## CRYSTAL M168

CR+

- Good sugar per ton with strong sugar per acre
- Proven field performance with balanced disease package
- Multisource rhizomania tolerance

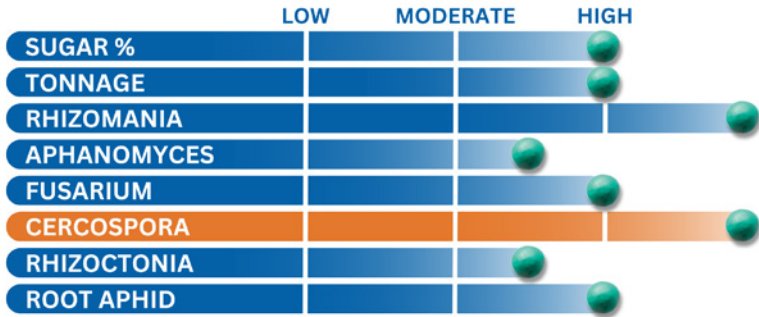


# Southern Minnesota Varieties

**NEW**  
**CRYSTAL**  
**M339**

CR+

- *Pending approval*
- Good combination of sugar and tonnage
- Solid disease package
- Multisource rhizomania tolerance



Notes:

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Contact your ACH Seeds Crystal brand sales representative to discuss your seed needs today. | [ACHSEEDS.COM](https://www.achseeds.com)

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**JAKE BOERSMA | CENTRAL REGION MANAGER**

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2024 was certainly a different type of year than the previous three with excess rain throughout much of the growing season. Different challenges arise with every growing season, whether it's too wet or too dry. That's why we try our very best to bring varieties capable of handling a multitude of conditions. While we continue our endless pursuit of the "perfect" variety, we offer a diverse selection of varieties to help SMBSC growers address the current or projected set of needs.

Our breeding philosophy for the Southern Minnesota market continues to include a strong array of disease tolerances to rhizomania, Rhizoctonia, Aphanomyces, Cercospora, Fusarium, root aphid and more. We feel this balanced approach to disease tolerance is a big factor in the consistent field performance you have come to trust in Crystal varieties. Even though we are confident in the current genetic mix we bring to the market, we never stop investing in the next potential breakthrough that could help you become even more productive in the future.

Moving into 2025, we have a great selection of proven varieties, along with the addition of new-coming variety M339, which has shown good promise in the OVTs and strip trials. We look forward to the opportunity to partner with you again and help maximize returns on your farm. As always, please feel free to contact me with any questions or comments you may have. Valuable conversations and feedback from our customers help us better serve the market.

Best wishes for a successful 2025 growing season!



## Our 2024 Winner: Congratulations, Renville County West FFA!

Renville County West (RCW) FFA is one of six organizations nationwide chosen to receive \$10,000 from the 2024 Homegrown Giving program. The organization has made a lasting impact on its community, extending well beyond the classroom with initiatives like their community garden, safety day and various summer agricultural activities.

The Homegrown Giving donation will help RCW purchase welding equipment for the shop class to upgrade their 1950s welders. This will help ensure students can stay up to date with modern industry standards and workplace operations, so they are well-trained to find success in a trade career. The funding will also provide opportunities for students to participate in field trips to visit local agricultural businesses to explore the diverse career paths within the agriculture industry. Both of these initiatives will benefit the local community by preparing the next generation of leaders with the skills and knowledge to succeed in the workforce.



We won the   
of our hometown.  
Renville, Minnesota

“ The work being done by RCW's FFA and ag department extends far beyond agricultural education. It equips students with vital life skills. Through hands-on experiences like welding, gardening and food production, students build confidence and acquire practical skills that pave the way for successful careers in agriculture. This program isn't just preparing students for today. It's laying the foundation for a future where they can excel and make a meaningful impact in their communities. This aligns perfectly with the mission of our Homegrown Giving program.”

– Jake Boersma, ACH Seeds Central Region Manager

“ We're extremely thankful to all those who assist our program and our local community. Without the support from ACH Seeds, we'd be welding with our 1950s equipment for the next 20 years. Words can't express how grateful we are for this opportunity.”

– Jason Stewig, RCW Agricultural Education Teacher and FFA Advisor





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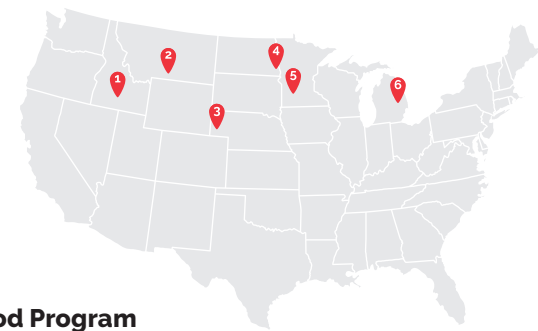


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# Congratulations to our 2024 Homegrown Giving Recipients!



**1. Amalgamated Sugar:**  
**Martha & Mary's Food Pantry**  
Jerome, Idaho

**2. Western Sugar North / Wyoming Sugar:**  
**Fromberg FFA**  
Fromberg, Montana

**3. Western Sugar South:**  
**Weekend Backpack Food Program**  
Scottsbluff, Nebraska

**4. Minn-Dak:**  
**Richland Wilkin Emergency Food Pantry**  
Wahpeton, North Dakota

**5. Southern Minn:**  
**Renville County West FFA**  
Renville, Minnesota

**6. Great Lakes:**  
**Unionville-Sebewaing Area FFA**  
Sebewaing, Michigan



**VISIT [ACHSEEDS.COM](https://www.achseeds.com)  
TO LEARN MORE.**

