



SUGARBEET SEED
ACH SEEDS®



Product Guide 2025

MINN-DAK FARMERS COOPERATIVE

Plant sugarbeet seed developed with your growth in mind.

See a valuable difference in your season.

All Minn-Dak Farmers Cooperative 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 threats and damaging insects to protect your plants' genetic potential from the start.



SILVER



GOLD

From Steckling to Seed: A Two-Year Process

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

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

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

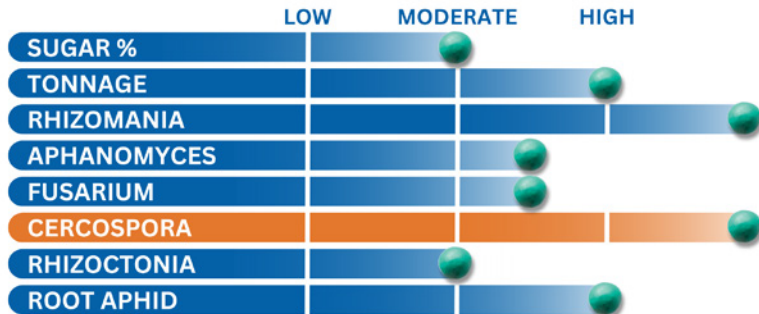


Minn-Dak Varieties

CRYSTAL D973

CR+

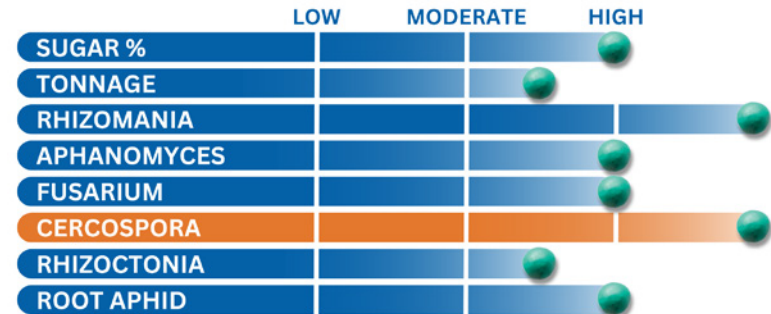
- Field-proven variety with excellent sugar per acre
- Enhanced Cercospora tolerance with the CR+ trait
- Balanced disease package
- Multisource rhizomania tolerance



CRYSTAL D166

CR+

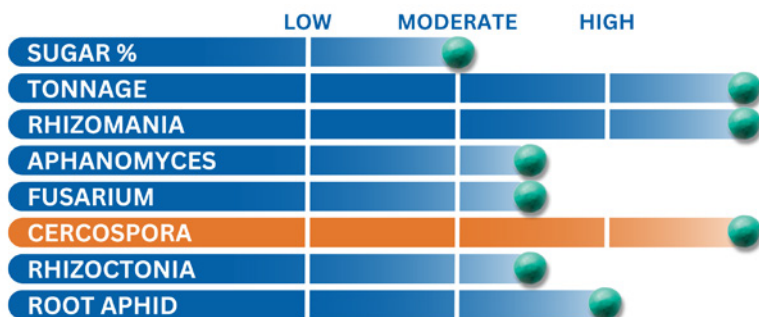
- Great plant health with strong root rot protection
- Enhanced Cercospora tolerance with the CR+ trait
- High sugar per ton with good sugar per acre
- Multisource rhizomania tolerance



CRYSTAL D290

CR+

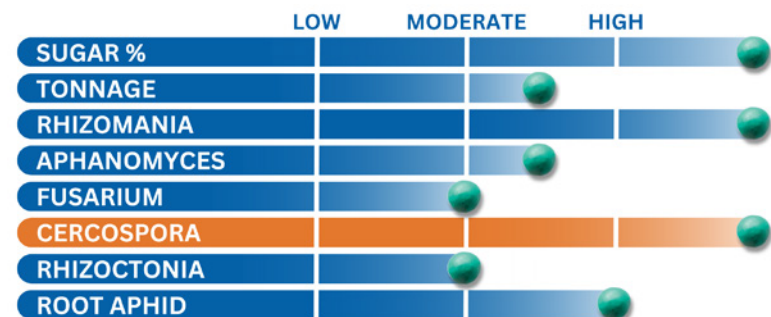
- High-performing variety with excellent sugar per acre
- Enhanced Cercospora tolerance with the CR+ trait
- Very good Rhizoctonia and Aphanomyces tolerance
- Multisource rhizomania tolerance



NEW CRYSTAL D370

CR+

- *Pending approval*
- Very high sugar per ton
- Enhanced Cercospora tolerance with the CR+ trait
- Moderate root rot tolerance
- Multisource rhizomania tolerance





Contact your ACH Seeds Crystal brand sales representative to discuss your seed needs today. | ACHSEEDS.COM



JAKE BOERSMA | CENTRAL REGION MANAGER

320-522-2394 | jboersma@achseeds.com

Valued Sugarbeet Grower,

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 MDFC growers address the current or projected set of needs.

Our breeding philosophy for the Minn-Dak 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 D370, which has shown high recoverable sugar / ton. 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, Richland Wilkin Emergency Food Pantry!

Richland Wilkin Emergency Food Pantry (RWEFP) is one of six organizations nationwide chosen to receive \$10,000 from the 2024 Homegrown Giving program. This donation will enhance RWEFP's extensive efforts to provide nutritious food to local community members in need.

The Homegrown Giving donation will help RWEFP manage the growing number of clients, aiding in their weekly food orders and helping offset rising food costs. Serving more than 900 food-insecure families across two counties in North Dakota and Minnesota, RWEFP is a vital resource. With this support, RWEFP can further its mission of creating a healthier, more resilient community.



We won the 
of our hometown.

Wahpeton, North Dakota

“ RWEFP's work exemplifies the spirit of community and the importance of supporting rural areas and agriculture. They play a crucial role in ensuring no one goes hungry. Each meal they provide brings hope and stability to families. Their dedication to making a positive difference in the lives of their neighbors and strengthening the community perfectly reflects the values of our Homegrown Giving program.”

– Jake Boersma, ACH Seeds Central Region Manager

“ ACH Seeds' commitment makes a real difference for senior citizens, families with children and the community as a whole. Their support helps us keep everyone healthy and strong. We couldn't do it without generous donors like ACH Seeds.”

– Laurie Drewlow, RWEFP Volunteer and Local Sugarbeet Grower



1



2



3



4



5



6

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.**

