

# INSIDER

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## Director's message



Welcome to our first edition of the CDC Insider. We are excited to present this biannual newsletter to provide our community with an update of our activities as we continue to push our science and innovation mission forward. This past summer we were finally able to come together to celebrate our 50th anniversary with many of our partners, stakeholders, funders and government. We are so thankful to all that attended our field tour and evening celebration. We hope that everyone enjoyed the experience.

Looking forward, we are in the midst of developing a sustainable growth and complement plan for the Crop Development Centre (CDC). We continue our work to expand our land resources and to rejuvenating our infrastructure that is so essential to our research and crop breeding activities. We are committed to a vibrant seed industry and are currently engaged in the Seed Regulatory Modernization process. The future looks bright!

I want to thank everyone for their continued support of the CDC and to our own people for their commitment, knowledge, and skills. It really is our collective know-how and interpersonal connections that facilitates our innovation.

We will continue to be a trusted partner and provider of varieties for both local and world markets and our research will continue to be leading edge and internationally recognized. I look forward to meeting you all again soon.

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# CDC 50th Anniversary Celebrations

After two years of planning, postponements and increasing COVID numbers, the CDC successfully celebrated 50 years of operation with staff, producers, industry partners and stakeholders.

Entitled, "Success Grows Our Future", the goal of our 50th year was to share our success with all that played a large part in our history, while looking forward to our future.

*photo source: Kaylie Kryz*



A field tour was held on the afternoon of July 20, 2022, to highlight the work that takes place at our research facilities. CDC researchers presented their work and discussed the impacts their commercial varieties have made to western Canadian agriculture. We were grateful that SK Minister of Agriculture, the Honorable David Marit, was available to join us on

An evening gathering at the Remai Modern featuring a specially brewed CDC Fraser beer courtesy of SeCan, 9Mile Legacy Brewing Company and PrairieMalt. Congratulatory notes were shared by USask VP of Research Dr. Baljit Singh, Agbio College Dean Dr. Angela Bedard-Haughn and via video, Premier Scott Moe. To conclude the short program, presentations to Emeritus Professors Drs Bryan Harvey and Al Slinkard for the substantial achievements to the agriculture industry.



## Awards



Emeritus Professor Rick Holm was officially inducted into the Saskatchewan Agricultural Hall of Fame on April 9, 2022.

(pictured l.to r. AgBio Dean Dr. Angela Bedard-Haughn, Emeritus Professor Rick Holm and CDC Director Dr. Curtis Pozniak.



Emeritus Professor Dr. Al Slinkard officially received his Order of Canada pin from MLA Kevin Waugh on July 21, 2022.



Wheat breeding post-doctoral researcher Dr. Valentyna Klymiuk was the recipient of a Carlotta Award at the International Conference "From Seed to Pasta IV" held October 26-29, 2022 in Bologna, Italy.

Read more about the [Carlotta Award](#).

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## 2022 Harvest



*photo source: Chris Hendrickson*



*photo source: David Stobbe*



*photo source: David Stobbe*

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## News



### Three generations at the CDC

*photo source: Christina Weese*



### USask student finds home between agriculture research and community

*photo source: Laura MacTaggart*



### Exploring the unknown: Molecular plant pathology a passion for USask student

*photo source: Christina Weese*



### USask student uses genomics to accelerate pea breeding for heat resistance

*photo source: David Stobbe*



Chickpea and Flax breeder Dr. Bunyamin Tar'an (PhD) was the keynote speaker at the [Chickpea Ascochyta Blight Workshop 2022](#) that was held October 12-14, 2000 at the Charles Sturt University Convention Centre, Wagga Wagga , New South Wales.

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## Recent Publications

1. [UAV Image-Based Crop Growth Analysis of 3D-Reconstructed Crop Canopies](#)  
Nielsen, K.M.E, Duddu, H.S.N, Bett, K.E, and Shirtliffe, S.J.
2. [CDC Vantta durum wheat](#)  
Pozniak, C.J, Clarke, J.M, Haile, J.K, and Haile, T.A
3. [Comparative analysis of heat stress induced ABA and heat shock protein responses among pea varieties.](#)  
Huang, S, Zhang, H, Purves R, Bueckert, R.A, Tar'an, B, and Warkentin, T.D,
4. [Evaluation of yield and agronomic performance of leafed and semi-leafless pea blends](#)  
Shen Y, Syrovoy, L.D, Johnson, E.N, Warkentin, T.D, Thuan, H, De Silva, D, and Shirtliffe, S.J
5. [Biological nitrogen fixation potential of pea lines derived from crosses with nodulation mutants.](#)  
Kaur Dhillon, L, Lindsay, D, Yang, T, Zakeri, H, Tar'an, B, Knight, J.D, and Warkentin, T.D.



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