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CFFAE is pleased to announce Kristina Polziehn as the 2021 Ivarson Agricultural Scholarship Recipient, PhD level

Kristina is currently pursuing a Ph.D. at the University of Alberta,

where she is interested in using the Agricultural Production Systems sIMulator (APSIM) modelling platform to simulate Western Canadian canola yields. Her objectives are to use the model to simulate and evaluate the impact extreme weather and agronomic practices can have on Western Canadian canola yields and use the model to evaluate regional scale yield differences. Kristina has also completed a Bachelor of Secondary Education, Bachelor of Science in Agriculture and Master of Science in plant science from the University of Alberta.

Kristina also works as an independent agronomist in Sturgeon County, Alberta, with clients in Sturgeon County and the Peace Country region. She has operated her company, Axiom Agronomy Ltd., since 2014, providing crop consulting, soil sampling, prescription nutrient mapping and assisting customers in analyzing and interpreting aerial imagery data. Her goal has been to incorporate agricultural technologies with current cropping system principles while improving farm efficiencies and profitability.



CFFAE is pleased to announce Warren McAuley as the 2021 Ivarson Agricultural Scholarship Recipient, Masters level

Warren is enrolled in his Master of Science, majoring in Soil Science, at

the University of Saskatchewan. His research is assessing if there are any changes to soil health factors between monocrops and intercrops, and whether faba beans can be successfully integrated into an intercrop.

Originally from Vermilion, Alberta, Warren has also attended school at Lakeland College as well as the University of Lethbridge. His interest in agriculture started young, as he grew up in an agricultural community, and continued as he worked for a family farm in the summers of his first undergraduate degree. After a 10-month Christian mission trip to Madagascar opened his eyes to the impact agriculture could have on a family's livelihood, he decided to focus on agriculture for his career, moving to Saskatoon to attend the University of Saskatchewan for his undergraduate and Masters degrees.

In between school, Warren worked for Syngenta in product development during the summers and worked for Bayer/BASF as a Canola Breeding Agronomist for 3 years. He has completed his Professional Agrologist designation.



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In pursuing this goal, Kristina was awarded a 2017 Nuffield Canadian Farming Scholarship. She spent two years travelling and studying the applications and value of remote sensing in crop production throughout the USA, the UK, Mexico, Brazil, Australia, New Zealand, Ireland, and France.

Over the last 7 years, Kristina has collaborated with various Alberta agricultural companies and organizations to assist with crop production claims, yield analysis, product inquiries, research quality assurance, and aerial imagery assessments. Kristina has been a member of the Canadian Weed Science Society for over 10 years, serving on their board of directors and supporting them as an executive assistant. She is a Professional Agrologist, Certified Crop Advisor and Certified Pesticide Applicator in Alberta.

Before starting her business, Kristina worked in the agriculture industry for six years gaining experience in agronomy, research, grain marketing and sales. Kristina is supported in her endeavours by her kids, Amelia and twins, Jack and James and her husband, Glenn Wormald.

Warren volunteers with the Canadian Food Grains Bank to raise awareness of issues surrounding developing world agriculture. He works to grow a demonstration plot at Ag In Motion showcasing new developing world agriculture technology and techniques. This allows Canadian farmers to experience a taste of what a smallholder farmer grows on their farms. He has also volunteered in numerous positions with his local church and was formerly a Big Brother with Big Brothers Big Sisters in Saskatoon.

Future goals for Warren include working in a research capacity to expand knowledge in practical agricultural and agroecological systems. He also desires to spend more time overseas, working with developing farmers to expand their agricultural capacity and further develop their agricultural techniques.