



2023 4-H Canada Science Fair Winners Move on to Prestigious Canada-Wide Science Fair

Ottawa, ON, March 30, 2023 – Four talented young scientists have earned their way into the prestigious Canada-wide Science Fair, after participating in 2023 4-H Canada Science Fair.

The 2023 4-H Canada Science Fair, which was held at Olds College of Agriculture and Technology, March 9-12, saw an impressive group of participants showcase their skills in STEM, while exploring their personal passions through experimentation, innovation, and invention. Following an initial virtual judging round in January 2023, finalists were invited to take part in the second round in March. The winners are as follows:



Mac D – Langley, BC

Project: *An Innovative Approach to Ammonia in Poultry Operations*

Mac's project aims to determine if Prussian Blue or Prussian Blue + Biochar can be used as a commercially viable bedding additive to adsorb ammonia from chicken bedding.



Mark N – Balzac, AB

Project: *A Comparison of Natural and Commercial Corrosion Inhibitors on Metals*

Mark's project looks at the effectiveness of botanical materials such as tomato skins as an inexpensive, renewable, environmentally friendly, nontoxic inhibitor of corrosion.



Alexandra O - Vibank, SK

Project: *Long Term Carbon Storage in Grazed Grasslands vs Croplands*

Alexandra's study investigates whether cattle beneficially alter carbon stocks by grazing and preserving the land.



Trent K - New Dundee, ON

Project: *Invasive and Native Plant Growing Study*

Trent's project seeks to explain why invasive plants outcompete native plants.

For a full list of finalists, and to view their 2023 projects, go to: <https://4-h-canada.ca/sciencefair>

"Congratulations to the winners of the 2023 4-H Canada Science Fair," said Shannon Benner, 4-H Canada CEO. "It is so exciting to see our youth be able to once again take advantage of in-person STEM resources and activities to help further their impactful initiatives for their clubs, communities, and their world. Thank you to Olds College of Agriculture and Technology for hosting a very successful in-person round, and to our partners like Bayer Crop Science Canada, for making the 4-H Canada Science Fair possible."

"We love seeing inventive ideas that Canadian agriculture can use," said Ginger Rozmus, Sr. Business Partner, Communications, Bayer Inc. "These young 4-H scientist have a lot to offer our industry and I can't wait to see where these projects will lead!"

The Science Fair is held annually as part of 4-H Canada's ongoing commitment to furthering science and technology skills and knowledge development for youth through 4-H



programming. The event is made possible through support from the 4-H Canada's Science & Technology Pillar Partner, Bayer Crop Science Canada, and the Government of Canada.

As interest in 4-H STEM programs continues to grow, 4-H Canada and Bayer Crop Science Canada are working together to ensure youth have access to experiential learning opportunities that better their communities, create global citizens, and build leaders of today.

For more information on the 4-H Canada Science Fair, visit 4-h-canada.ca/sciencefair.



Left to right: Mac D, Alexandra O, Michael Trevan, Mark N, Trent K

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About 4-H Canada

For over 100 years, 4-H Canada has been one of the most highly respected positive youth development organizations in Canada. 4-H in Canada has over 16,000 members and more than 5,700 volunteer leaders. Our goal is to help young Canadians "Learn To Do By Doing" in a safe, inclusive and fun environment. We believe in nurturing responsible, caring and contributing youth leaders who are committed to positively impacting their communities across Canada and around the world. To learn more about 4-H Canada, please visit 4-h-canada.ca and follow our [Facebook](#), [Twitter](#) and [Instagram](#) pages.

About Bayer

Bayer is a global enterprise with core competencies in the life science fields of health care and nutrition. Its products and services are designed to help people and the planet thrive by supporting efforts to master the major challenges presented by a growing and aging global population. Bayer is committed to driving sustainable development and generating a positive impact with its businesses. At the same time, the Group aims to increase its earning power and create value through innovation and growth. The Bayer brand stands for trust, reliability and quality throughout the world. In fiscal 2022, the Group employed around 101,000 people and had sales of 50.7 billion euros. R&D



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expenses before special items amounted to 6.2 billion euros. For more information, go to www.bayer.ca.

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