



## Greenlight Analytical is Advancing Bio-Fuel Production with funding support from NRC-IRAP

***National Research Council Canada - Industrial Research Assistance Program (NRC-IRAP) funding support will accelerate commercialization of novel testing device.***

HALIFAX, Nova Scotia - July 18, 2024 - [PRLog](#) -- Halifax, NS, Greenlight Analytical (GLA), a start-up testing, and instrumentation company announces funding support from the National Research Council Canada - Industrial Research Assistance Program (NRC-IRAP) to ensure biofuel production is more sustainable by preventing the introduction of mycotoxins into corn delivered to bio-ethanol refiners, assisting in safeguarding our food supply.

Almost half of the corn produced in North America is used for bio-fuel production. Corn is supplied to bio-fuel producers, who process the corn into ethanol, and the remaining biomass is then utilized in animal feed, making the process sustainable & economically viable. Mycotoxins can survive the extraction process and if allowed to enter the food chain via animal feed, can pose a danger to both animal and human health. GLA's mission is to tackle this challenge head-on with support from Agriculture & Agri-food Canada and NRC-IRAP.

By testing corn for mycotoxins prior to ethanol production, producers can ensure that only high-quality, uncontaminated corn is used in the process. This not only reduces the risk of mycotoxins entering the food chain, but by providing rapid, accurate analysis truck-side as corn is delivered, it helps improve the overall efficiency and throughput of the bio-refinery. Testing corn to ensure that it is toxin-free also assists farmers as clean crops have a higher market resale value, and it makes the production of biofuel more cost-effective.

The HarvestIQ, a novel, on-site analyzer measures the chemical profile of plants during both growth and after harvest. With support from @NRC-IRAP, GLA will expand its capabilities to include testing corn for mycotoxins prior to its use in bio-ethanol production.

### About Greenlight Analytical

Greenlight Analytical is redefining agricultural excellence with our state-of-the-art, on-site measurement device. Our innovative solutions provide instant, actionable insights, empowering growers to optimize crop quality, safety, and production processes. Our flagship product, HarvestIQ, delivers real-time chemical profiling, allowing for enhanced crop quality, potency, and yield. GLA focuses on vertical farming, cannabis cultivation, and sustainable bio-fuel production. By harnessing advanced technology and data-driven decisions, we enable agricultural enterprises to maximize yield, enhance flavor and fragrance, and boost profitability, paving the way for a more productive and sustainable future.

For more information visit <https://greenlightanalytical.com/>