

# CORPORATE NEWS & EVENTS

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**"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do."**

**—Pelé**

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# NGAG Inc. expands to support agricultural efforts in the UK

Atlantic Power and Infrastructure Corp.'s wholly owned subsidiary NGAG Inc. has once again taken another active step toward forward, expanding into the United Kingdom with the creation of NGAG BIOTECH LTD to provide business to business support supplying the UK's agricultural and horticultural retail distribution markets. Its primary portfolio products currently are produced for the United States, European and Asian markets by its sister company NGAG BIOTECH Pvt Ltd.

These eco-friendly solutions will enable farmers and growers to overcome yield and quality limitations caused by the changing climatic conditions. This launch builds on NGAG Inc.'s recent milestone of securing two substantial supply contracts for bio-stimulants with UK-based Bioelements Ltd., with the first consignments



shipped via sea freight in June 2025. Additionally, NGAG BIOTECH LTD will directly support UK emergency services with its unique, water saving, wildfire prevention and mitigation solutions, "EMERALDGREEN™" and "ASCOGEL™".



## NGAG's Approach to Wildfire Remediation

Full-scale evaluation trials by the British fire service are scheduled for early September. We anticipate these trials to demonstrate that NGAG BIOTECH's unique solutions will enable firefighters to significantly reduce wildfire ignition risk and extinguish active fires using up to 80 percent less water.

Additional trials are also planned to include a combination effort utilizing precision application techniques with NGAG BIOTECH technologies to facilitate tactical strikes on wildfires with minimal wind-drift and evaporation. Traditional aerial firefighting methods can lose 30 to 40 percent of water to wind drift and evaporation during delivery. NGAG BIOTECH's precision application—combining drone swarms with targeted ground systems—aims to minimize these losses and maximize extinguishing efficiency while assisting in the safety of emergency services personnel on the ground.







Currently, most existing fire-retardant sprays contain water, fertilizer (ammonium phosphate), colorants, and thickeners. While non-toxic to humans, these formulations can be toxic to fish and other aquatic life, and their nutrient load can trigger harmful algae blooms in waterways. The fertilizer component may scorch sensitive vegetation and promote invasive plant growth, disrupting native ecosystems.

By contrast, EMERALDGREEN™ and ASCOGEL™ biodegrade naturally without harmful residues. They contain no phosphates or synthetic dyes, eliminating risks to waterways, soil health, and downstream communities.

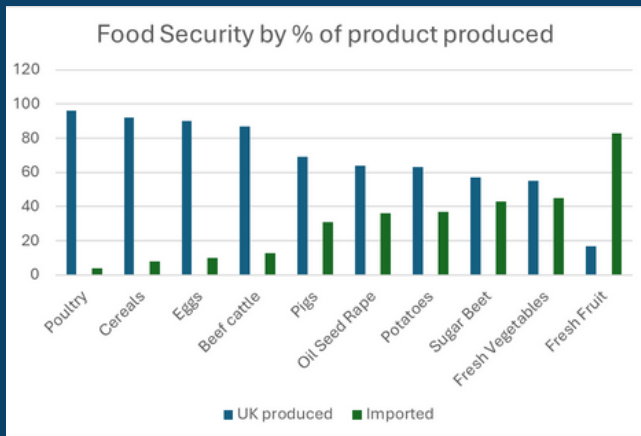
In fact, due to the toxicity of many of these flame retardants there are restrictions on dropping them within a certain distance of bodies of water. However, as wildfires move closer to developed areas, firefighters may have less flexibility in avoiding these sensitive areas. In addition, fire retardants can act as fertilizers, promoting the growth of non-native or invasive plant species, which can have further implications for the environment. While the full extent of the damage caused by fire retardants is not yet known, it is an area of active research and concern for environmental scientists and agencies. Fire retardant sprays can be an effective way to prevent fires from breaking out and slow down their spread. However, it is important to consider the potential impact on the environment, especially plants.

That is the genius behind NGAG Inc.'s proven solutions.

EMERALDGREEN™ and ASCOGEL™ are safe, eco-friendly (fertilizer and chemical free) alternative solutions to existing fire-retardant sprays.

NGAG BIOTECH LTD was officially formed July 2025, followed by a meeting at the home office of KBI UK Ltd in Barnsley, UK, with CEO Kevin Bagnall, Graham Pell- Managing Director of KBI UK Ltd, and Martin Driscoll- API Director and NGAG Division President to discuss current events and strategic future collaborations between API's wholly owned UK subsidiaries.





## UK's Defra report shows "alarming vulnerabilities" in UK's food security

Defra's UK Food Security Report 2024 highlighted extreme weather events as a significant drag on domestic food production, noting a drop in food-secure households from 92 percent in 2020 to 90 percent in 2023.

A subsequent Defra news release warned of "alarming vulnerabilities" in the UK's food security, citing heavy reliance on imports for fruit, vegetables, and seafood amid climate pressures and labor shortages.

Industry publications underscore these concerns. A Field & Water Industry (FWI) report documented a 16 percent decline in UK fruit and vegetable planting area over the past four years, reinforcing the need to boost domestic output to shore up supply chains.

The limiting factors to food security are no longer fertilizers, pesticides, or fungicides. It's our ability to adapt to the effects of climate change. Excessive heat, drought and flooding are becoming commonplace. In December 2024, Sustain- the Alliance for better food and farming- published a briefing similarly stressing the urgency of systemic shifts toward agroecology and resilient food systems to address climate and economic shocks. Ultimately, it is NGAG's portfolio of breakthrough common-sense solutions that bring long-term sustainable results to the escalating problems associated with traditional, short-term solutions that can turn the tide from "vulnerability" to "invincibility".

## From the Chairman's Desk



Kevin Bagnall, CEO & Chairman  
Atlantic Power & Infrastructure, Corp.

We are thrilled to announce the expansion of Next Generation Agriculture (NGAG Inc.) to the United Kingdom where it is increasingly needed. As we continue to watch catastrophic current events threaten the economic stability of the United Kingdom and the rest of the world, we recognize this as an opportunity to assist by bringing proven, sustainable technologies where they're needed most. We've taken the next step towards achieving our company's mission, and we expect great things as we advance forward.

As a coalminer's son hailing from Grimethorpe, I am no stranger to hard work, ingenuity and integrity. These strengths were engrained in all of us at an early age, and I carry them with me still. API's unique team is built upon those same principles- a team I am honored to lead. Exciting times lie ahead. Stay tuned!

04/04

