

Corporate news and events



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Ascogel™

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Atlantic Power & Infrastructure Corp.'s (AP&I) wholly owned subsidiary, NGAG Inc., celebrates the ECOCERT NPOP certification seal to its proprietary agricultural solution Ascogel™

NGAG Inc. is pleased to announce that **Ascogel™** has been awarded full organic status **ECOCERT NPOP** (National Program for Organic Production). In addition to providing access to organic markets in the U.S. EU and India, the **ECOCERT NPOP** certification emphasizes NGAG's ethical production and processing systems. Beyond contributing to the enhancement of water and soil quality, our regenerative and sustainable products also assist in increasing biodiversity and energy conservation while advancing food security.

"Ascogel's™ unique formula allows farmers to increase food production using 80% less water and 60% less nutrients, which in turn lowers the cost of food production."

Global food security

According to the Food and Agriculture Organization of the United Nations, it is estimated that in 2020 there were nearly 800 million people in the world suffering from hunger, and global food insecurity has steadily risen since 2014. To address this issue, the U.S. Government's Global Hunger and Food Security Initiative prioritizes the scaling and adoption of innovative technologies in their 2022-2026 Global Food Security Strategy.

Ascogel™ awarded CE mark of EU conformity

Ascogel's™ added protection of both the highly coveted **CE mark** ("Conformité Européenne" or "European Conformity") and **ECOCERT NPOP** certification labels serve to enhance the confidence of the product." The **ECOCERT NPOP** certification of **Ascogel™** highlights NGAG Inc.'s sustainable raw material sourcing, eco-friendly production systems, and ethical employment and fair-trade practices. This certification further enables distributors to access all markets and to support local economies. **Ascogel's™** unique formula allows farmers to increase food production using 80% less water and 60% less nutrients, which in turn lowers the cost of food production. **ECOCERT NPOP** certification will open doors and help break through the 'red tape' that so often accompanies domestic and international public bodies and private organizations associated with new technologies."

"The successful development, transfer, and adoption of agricultural technology is a proven contributor to inclusive economic growth."

Food and Agriculture Organization of the United Nations

NGAG Inc., alongside Smart Trade Africa, announce a transformative partnership aimed at addressing environmental challenges and fostering sustainable development in Africa.

In a strategic move, AP&I Corp. is finalizing negotiations to become a key partner with Smart Trade Africa, leveraging NGAG Inc.'s proprietary Ascogel™ for planting and enhancing the growth of over 10 million trees through agricultural intercropping.

Key Points:

- NGAG Inc. partners with Smart Trade Africa for a sustainable tree planting initiative in Africa.
- NGAG Inc.'s proprietary Ascogel to be applied in the planting and enhanced growth of 10 million trees, supporting the Kenyan Carbon Eco project and boosting food security in sub-Saharan Africa.
- NGAG Inc., as a strategic partner with Smart Trade Africa under the jointly-owned SPV "Nature Soak Africa Ltd," is focusing on the exclusive distribution of Ascogel in substantial quantities.

<p>Leaf growth with Ascogel™</p> <p>Strong, rapid, healthy and fully sustainable plant growth and development.</p>	
	<p>Leaf growth without Ascogel™</p> <p>14 DAYS</p> <p>Poor, slow unhealthy plant growth that may be prone to disease and early dieback</p>

<p>With Ascogel™</p> <p>After 14 DAYS</p> 
<p>After 21 DAYS</p> 
<p>Without Ascogel™</p> <p>After 14 days</p> 
<p>After 21 DAYS</p> 

**Earth's plant life
humans need for
food, fiber, wood
and fuel**

Politically, climate change is a major priority in every developed nation.

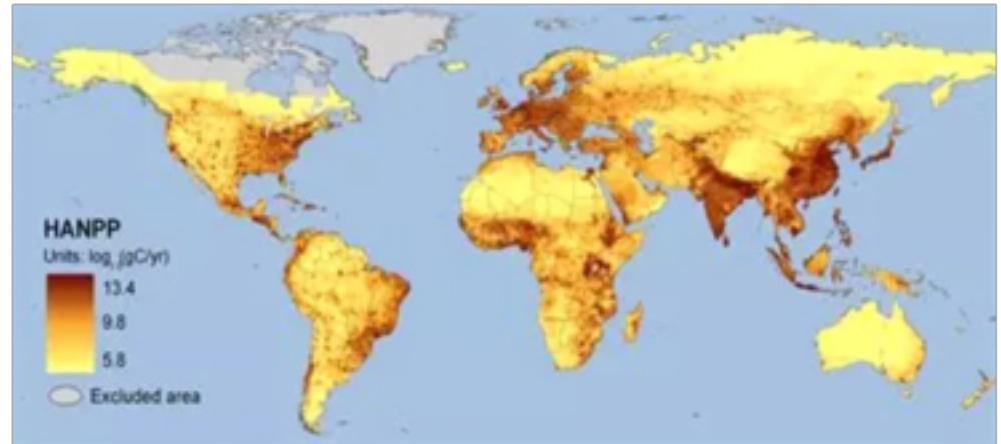
Our physical capability to produce food is shrinking while the global population continues to grow. How can we hope to balance food supply with world demand?



Because of the devastating effects of climate change our existing land resource for the production of food is under threat !



EARTH RECLAMATION NEXT GENERATION



Less than 38% of our global land mass is capable sustainable food production!

Brownfield to Greenfield soil remediation

Redundant industrial sites are long term opportunities for investment as they can attract government loans and development funding. So, conversion of Brownfield sites from contaminated wasteland to productive agricultural land offers many financial rewards.





Enables healthy crop establishment in poor conditions

Ascogel™ powder added water to creates a gel for application. On this featured test site, Ascogel™ was spread onto the highly saline gritty surface of a redundant Kentucky coal mine. This was then rotovated to create a topsoil and seedbed to establish grass for cattle grazing.

Both the treated and untreated areas were seeded before the treated area was protected by deer fencing, thus allowing the new grass crop to establish undisturbed.

These photos were taken within weeks of planting.



Ascogel™ brings life back to waste lands that have been barren for decades!



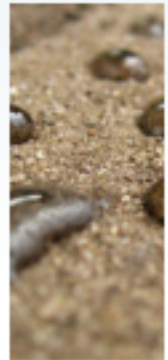
Composting benefits

Creates a “Goldilocks zone for growth of indigenous soil biota”

- Provides digestible sugars to accelerate biome activity
- Regulates soil temperature and pH
- Maintains optimum moisture content of OM.
- Retains nitrogen within a plantable mineral form

Dust suppression and soil repair

Ascogel™ humectant technology sprayed as a surface bio-gel onto damaged soils will soften and release soils from hydrophobicity.



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