

Media Release

Basel, Switzerland, 20 February 2025

Sustainability in agriculture gets a boost with global biologicals partnership

- Syngenta and Ceres Biotics sign agreement to bring innovative biological solution to farmers globally
- VIXERAN® enables farmers to optimize nitrogen fertilizer use and transition to more sustainable on-farm practices

Farmers seeking effective biological solutions to optimize their nitrogen fertilizer use are set to benefit from a new agreement between Syngenta Crop Protection and Ceres Biotics aimed at increasing farmer access to VIXERAN®.

VIXERAN® is an innovative biostimulant based on the endophytic bacteria *Azotobacter salinestris* strain number CECT9690, meaning the microbes can inhabit internal tissues of plants without causing disease. The biostimulant features multiple modes of action, enabling the plant to efficiently access nitrogen available from the environment through its leaves and root system. VIXERAN® is designed to complement traditional nitrogen fertilizers.

While nitrogen – essential to critical plant processes such as growth, leaf-area expansion and biomass-yield production – is the most abundant, naturally-occurring gas constituting about 78% of air, plants are not able to readily access nitrogen from the environment. The use of synthetic nitrogen fertilizer in modern agriculture requires an energy-intensive and costly industrial process, while the widespread use of such fertilizers increases greenhouse gas emissions and lowers the sustainability of agriculture.

Jonathan Brown, Global Head Seedcare and Biologicals, said: “Syngenta is investing significantly to bring the most innovative biological solutions to farmers around the world. Biostimulants that boost the nutrient use efficiency of crops have a significant role in strengthening the sustainability of agriculture, and are integral to Syngenta’s efforts to improve both crop yields and soil health. We are excited to work with Ceres Biotics in this fast-evolving area of plant nutrition.”

Emilio Marin, CEO and co-founder of Ceres Biotics, highlights: “We are excited to collaborate with Syngenta to bring to the market novel and sustainable biostimulants that improve nutrient use efficiency and maximize yield helping farmers implement more sustainable agricultural practices. VIXERAN® will be accessible to farmers globally, and this is a big step towards building up more sustainable crop management systems”.

VIXERAN® offers farmers greater flexibility in their nitrogen management strategies and optimizes crop performance in two key ways: it complements standard nitrogen fertilization programs to effectively boost yield potential beyond traditional methods, and, in situations where nitrogen availability is reduced due to environmental factors or supply constraints, VIXERAN® can help farmers maintain their yield targets.

The agreement follows an earlier collaboration to launch VIXERAN® in the European Union. Under the current agreement, VIXERAN will be introduced to markets globally.

Media Contacts

Syngenta Media Relations
media@syngentagroup.com

Ceres Biotics
emilio.marin@ceresbiotics.com

Web Resources

[Pictures](#)

About Syngenta

Syngenta is a global leader in agricultural innovation with a presence in more than 100 countries. Syngenta is focused on developing technologies and farming practices that empower farmers, so they can make the transformation required to feed the world's population while preserving our planet. Its bold scientific discoveries deliver better benefits for farmers and society on a bigger scale than ever before. Guided by its [Sustainability Priorities](#), Syngenta is developing new technologies and solutions that support farmers to grow healthier plants in healthier soil with a higher yield. Syngenta Crop Protection is headquartered in Basel, Switzerland; Syngenta Seeds is headquartered in the United States. Read [our stories](#) and follow us on [LinkedIn](#), [Instagram](#) & [X](#).

About Ceres Biotics

Ceres Biotics is a biotechnology company focused on agriculture and specialized in sustainable solutions based on beneficial microorganisms, known as probiotics, endophytic bacteria, biological Nitrogen fixation and Nutrient Use Efficiency, soil-plant-microorganism interactions and soil health. Ceres Biotics, committed to the advancement of modern and sustainable agriculture, supports farmers by offering innovative biotechnological tools that allows them to maintain productivity and crop quality, while contributing to regenerating soils as well as maintaining and increasing their long-term fertility.

Data protection is important to us. You are receiving this publication on the legal basis of Article 6 para 1 lit. f GDPR ("legitimate interest"). However, if you do not wish to receive further information about Syngenta, just send us a brief informal message and we will no longer process your details for this purpose. You can also find further details in our [privacy statement](#).

Syngenta's Cautionary Statement Regarding Forward-Looking Statements

This document may contain forward-looking statements, which can be identified by terminology such as 'expect', 'would', 'will', 'potential', 'plans', 'prospects', 'estimated', 'aiming', 'on track' and similar expressions. Such statements may be subject to risks and uncertainties that could cause the actual results to differ materially from these statements. For Syngenta, such risks and uncertainties include risks relating to legal proceedings, regulatory approvals, new product development, increasing competition, customer credit risk, general economic and market conditions, compliance and remediation, intellectual property rights, implementation of organizational changes, impairment of intangible assets, consumer perceptions of genetically modified crops and organisms or crop protection chemicals, climatic variations, fluctuations in exchange rates and/or commodity prices, single source supply arrangements, political uncertainty, natural disasters, and breaches of data security or other disruptions of information technology. Syngenta assumes no obligation to update forward-looking statements to reflect actual results, changed assumptions or other factors.

©2024 Syngenta. Rosentalstrasse 67, 4058 Basel, Switzerland.