Media Release

Syngenta deepens research capabilities with QuantumBasel partnership

BASEL, SWITZERLAND / SAN FRANCISCO, USA, 16 March 2026 - At the World Agri-Tech Innovation Summit, Syngenta, a global leader in agricultural innovation, today announced it is exploring how quantum computing can help farmers meet the growing demands of food production in a changing climate. The company has partnered with QuantumBasel, Switzerland's first commercial quantum computing hub, to apply quantum technologies to agricultural research and development.

Farmers worldwide face mounting pressure to produce more food sustainably amid unpredictable weather and evolving pest and disease challenges. Meeting these demands requires new scientific approaches that go beyond what classical computing can deliver, particularly when it comes to understanding the complex molecular and biological systems that underpin crop science.

Developing safe, effective, and sustainable crop protection products requires understanding molecular interactions of extraordinary complexity that classical computers can only approximate. Quantum computing has the future potential to model this complexity with far greater precision, and to predict details about molecular behaviour that have previously been out of reach, bringing new insights into product design and opening new pathways for innovation in agriculture.

To help realize this potential, Syngenta is launching a collaboration with QuantumBasel in Basel, Switzerland – a co-located working model that brings together QuantumBasel's algorithmic expertise and access to advanced hardware and simulators with Syngenta's scientists and agricultural R&D capabilities. Initial projects will aim to deepen our understanding of molecular behaviour with insights that could unlock new approaches to discovery and crop science.

"Quantum computing could be a catalyst for the next generation of scientific breakthroughs in agriculture," says Feroz Sheikh, Chief Information and Digital Officer, Syngenta Group. "It has the future potential to give us a deeper understanding of molecular interactions than has ever been possible, delivering insights and solutions that can help growers meet the challenges of a changing world."

Quantum computing is an emerging technology with significant long-term potential in molecular modelling, AI and beyond. As the technology matures, Syngenta will be well-positioned to explore its application to some of the most complex challenges in crop science, and build the expertise and partnerships needed to apply it meaningfully in agricultural research.

Thomas Landolt, CEO QuantumBasel, says: "Our mission is to apply quantum computing capabilities to industry, and agriculture is one of the most exciting frontiers. By combining QuantumBasel's quantum computing know-how and infrastructure with Syngenta's deep agricultural expertise, we can help

growers benefit from faster research cycles, better crop resilience, and more sustainable farming practices. We are excited for the chance to create an impact where it really matters."

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Web Resources

Pictures

About QuantumBasel

QuantumBasel is a competence center for quantum computing and AI and drives access to commercial quantum computing to foster innovation. QuantumBasel is Switzerland's first and so far only commercial quantum computing hub. QuantumBasel's team of quantum and data scientists trains and supports companies, conducts projects in quantum computing and AI, and collaborates closely with universities and academic institutions. Through an internationally connected ecosystem, QuantumBasel provides access to advanced know-how and technologies, enabling companies across a variety of industries to achieve innovations through the next generation of information technology. www.quantumbasel.com

About Syngenta

Syngenta is a global leader in agricultural innovation with a presence in more than 90 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.

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.