

CITYMAX GROUP at CAC 2026: Showcasing New Solutions from a China Leading Liquid Fertilizer Factory



Xian, Shaanxi May 22, 2026 ([IssueWire.com](https://www.issuewire.com)) - The 2026 China International Agrochemical & Crop Protection Exhibition (CAC 2026) serves as a pivotal gathering for the global agricultural community. As environmental regulations tighten and the demand for sustainable farming intensifies, the industry focus has shifted from high-volume chemical inputs to precision-driven biological solutions. In this competitive arena, many look to established innovators to define the next generation of plant nutrition. CITYMAX GROUP, a prominent player headquartered in the ancient city of Xi'an, utilizes this platform to demonstrate its evolution from a manufacturer of organic fertilizers to an integrator of bio-enhanced liquid technology. Operating as a [China Leading Liquid Fertilizer Factory](#), the organization is currently redefining how standardized production meets the sophisticated needs of global biostimulant markets. By aligning its heavy industrial capacity with molecular-level research, the company offers a blueprint for the future of high-efficiency agriculture.

The CAC 2026 Epicenter: Navigating the Next Wave of Crop Nutrition

CAC 2026 remains the global catalyst for sustainable agriculture, drawing distributors and researchers from every continent. The dominant theme of the current era is liquid precision. Modern growers increasingly prioritize liquid formulations because they integrate seamlessly into automated irrigation

systems and drone application technologies. This trend places immense pressure on manufacturers to ensure that biological products remain stable, soluble, and effective at varying concentrations. Consequently, the exhibition acts as a filter, highlighting companies that can bridge the gap between laboratory innovation and large-scale industrial reliability.

Within this context, the presence of [CITYMAX GROUP](#) signals a shift in the role of Chinese manufacturing. The company does not simply export raw humic acid or seaweed extracts; it delivers complex, formulated solutions that compete on the global stage. Having secured prestigious certifications such as OMRI, ECOCERT, and EU REACH, the organization provides the regulatory security that international partners require. As an active member of the European Biostimulants Industry Council (EBIC), the firm remains at the forefront of global standards, ensuring that its liquid fertilizers meet the strict efficacy benchmarks demanded by professional growers in Europe and North America.

The Biological Engine: How the New Microbiology Laboratory Powers Liquid Innovation

A significant highlight of the recent technological trajectory is the official launch of the Citymax Microbiology Laboratory in 2025. This facility serves as the biological engine for the next generation of liquid fertilizers. Traditionally, liquid formulations faced challenges regarding the shelf-life and stability of beneficial microbes when mixed with organic carriers. The new laboratory addresses these pain points directly by exploring the "Micro-Bio Intelligence" of crop nutrition. Researchers focus on how microbial inoculants can synergize with humic substances and seaweed extracts to revitalize soil biology while delivering immediate nutritional support.

This facility enables the production of biostimulants that are not merely "dead" chemical mixtures but "living" nutritional systems. By identifying specific bacterial strains that remain active in concentrated liquid environments, the factory solves the stabilization challenge that has long hindered the adoption of microbial liquids. This innovation ensures that when a distributor in a different hemisphere receives a shipment, the biological activity remains intact. This commitment to biotechnology underscores why a specialized R&D infrastructure is essential for maintaining a competitive edge in the modern agricultural supply chain.

Molecular Precision in Liquid Formulation: The UltraAmino and Ultralgae Ca-Mg Synergy

The technical sophistication of a liquid fertilizer factory is best observed in its ability to manage nutrient antagonism. Two products, UltraAmino and Ultralgae Ca-Mg, exemplify this molecular precision. UltraAmino utilizes advanced enzymatic hydrolysis to break down proteins into total, bioactive amino acids. Unlike acid-hydrolyzed alternatives, this enzymatic process preserves the delicate structure of the molecules, allowing for rapid absorption and immediate stress recovery in crops. This makes it an ideal component for precision agriculture where timing and bioavailability are critical for maintaining plant health during extreme weather events.

Furthermore, the formulation of Ultralgae Ca-Mg addresses a classic horticultural challenge: the natural antagonism between calcium and magnesium. These two elements often compete for uptake within the plant, leading to deficiencies even when both are present in the soil. The "nutrient channel" technology developed by the company enables the simultaneous delivery of both minerals. By using seaweed-derived organic carriers, the formulation opens specific pathways in the plant tissue, ensuring that both calcium for cell wall strength and magnesium for photosynthesis reach their targets efficiently. This technological breakthrough significantly improves crop quality and increases marketable yields, providing a clear economic benefit to the end-user.

Targeted Physiology: HumiCare and the Systemic Approach to Fruit Quality

Modern agriculture moves beyond simple growth to focus on specific physiological outcomes, such as fruit coloring and swelling. [The HumiCare series \(Fruit Coloring and Swelling Type\)](#) represents this targeted approach. High-value crops, such as table grapes or cherries, require precise nutritional signals to manage the transition from vegetative growth to reproductive development. Traditional fertilizers often provide nitrogen in excess, which can delay coloring or result in soft fruit. HumiCare utilizes a specific blend of organic molecules to trigger the plant's natural pigments and swelling mechanisms without compromising the shelf-life of the harvest.

This "Color-Swelling Integration" logic translates complex organic chemistry into marketable traits like Brix levels, skin firmness, and deep coloration. By supplying the plant with the exact carbon sources and biostimulants needed during the ripening stage, the product ensures that growers can meet the aesthetic and nutritional standards of premium markets. This systemic approach demonstrates that the factory functions as a partner in crop management, providing solutions that align with the commercial goals of the modern farm.

Intelligent Manufacturing: The Infrastructure of a Global Liquid Hub

The ability to deliver these advanced solutions consistently depends on a robust manufacturing infrastructure. The factory in Xi'an operates automated liquid formulation lines that ensure batch-to-batch consistency—a non-negotiable requirement for international distributors. Every stage of production is governed by the ISO 9001:2008 Quality Management System and EU BV Certification. This industrial rigor prevents the sedimentation and crystallization issues that often plague lower-quality liquid fertilizers. Consequently, the products remain compatible with various irrigation systems and do not clog the fine nozzles of modern spraying drones.

Moreover, the facility offers extensive customization capabilities. Recognizing that local water chemistry and soil profiles vary across the globe, the R&D team can adapt formulation specifications to match regional requirements. Whether it is adjusting the pH for alkaline soils or modifying the viscosity for specific application systems, the factory provides a flexible manufacturing service. This adaptability, combined with a distribution network spanning over 70 countries, solidifies the organization's position as a global liquid hub. Partners benefit not only from a high-quality product but also from a supply chain that is engineered for reliability and precision.

Conclusion: Invitation to Collaborative Growth at CAC 2026

As the global agricultural sector converges on CAC 2026, the demand for sophisticated, science-based inputs has never been higher. CITYMAX GROUP stands at the intersection of R&D depth, manufacturing scale, and biological expertise. By showcasing its latest liquid innovations and the capabilities of its new microbiology laboratory, the organization invites global stakeholders to co-create the future of crop nutrition. The transition toward a "bio-enhanced liquid solution integrator" reflects a commitment to the long-term success of both the distributor and the grower.

Strategic partnership with a certified leader ensures access to products that are effective in the field and compliant in the marketplace. For those seeking to secure their place in the next wave of agricultural technology, the solutions presented at CAC 2026 offer a clear path forward. The fusion of industrial strength and biological intelligence remains the ultimate tool for achieving sustainable, high-yield agriculture in a changing world.

For more information on the liquid formulation series, exhibition updates, and global partnership opportunities, visit the official website: <https://www.citymax-group.com/>.



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