



## Verdesian Life Sciences expands into Canada with Phosphorus efficiency solution for growers

22 July 2026 | News

**Company introduces dual-action nutrient efficiency technology to help Canadian farmers improve phosphorus uptake and maximize fertilizer returns**



Verdesian Life Sciences has expanded its nutrient efficiency portfolio into Canada with the commercial availability of its phosphorus efficiency solution, marking a strategic move to strengthen crop nutrition offerings for Canadian growers and agricultural retailers. The product, already established across the U.S. market, is designed to improve phosphorus availability in agricultural soils, where a significant share of applied phosphorus can become chemically bound and unavailable for crop uptake soon after application.

Verdesian's technology addresses this challenge through a dual-mode approach that helps reduce phosphorus fixation while simultaneously increasing the availability of phosphorus already present in the soil. The company says the approach is intended to improve nutrient utilization and increase the return on fertilizer investments as producers face rising input costs. The solution combines the company's proprietary nutrient efficiency platform with a biological component that promotes microbial activity and phosphorus mineralization. Together, the technologies target both the chemical and biological factors

that limit phosphorus availability by reducing interactions with soil minerals such as calcium, magnesium, aluminum and iron while supporting the natural release of soil-bound phosphorus.

According to Verdesian, field evaluations conducted across 66 trial locations in the United States between 2021 and 2025 demonstrated an average yield increase of 8.8 per cent across multiple crops, including corn, cotton, peanuts, potatoes and cherries. The company said the product performed consistently under a range of soil types and growing conditions. Designed for compatibility with both granular and liquid phosphate fertilizers, the phosphorus efficiency solution can be incorporated into fertility programs before planting, at planting or during the growing season, allowing growers to integrate it into existing crop nutrition strategies without major operational changes.

"As fertilizer prices continue to challenge farm profitability, improving nutrient efficiency has become increasingly important," said Clare Doyle, Chief Executive Officer of Verdesian Life Sciences. "Expanding into the Canadian market allows us to provide growers and retailers with a science-based solution that enhances existing fertilizer programs while supporting sustainable crop production." The Canadian launch represents another step in Verdesian's strategy to expand access to nutrient use efficiency technologies that help producers optimize fertilizer performance, improve productivity and support long-term agricultural sustainability.