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Verdesian strengthens biostimulant credentials as independent certification validates crop performance technology

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Third-party recognition reinforces scientific credibility as demand grows for proven crop resilience solutions

Verdesian Life Sciences has secured independent certification for one of its flagship biostimulant technologies, reinforcing the industry's growing emphasis on scientifically validated crop inputs amid rising climate-related production risks.

The company's foliar biostimulant formulation has been certified under The Fertilizer Institute's (TFI) Certified Biostimulant Program, confirming that the product meets established standards for efficacy, safety and composition following an independent technical evaluation. The recognition marks Verdesian's third certification under the programme, adding to two previously certified products and strengthening its portfolio of independently validated biological solutions.

The certification comes at a time when growers are increasingly seeking technologies capable of mitigating the effects of drought, heat and other abiotic stresses that continue to threaten crop productivity across major agricultural regions. Industry observers view third-party validation as an important differentiator in the rapidly expanding global biostimulant market, where product performance and scientific substantiation have become key purchasing considerations.

According to the company, the certified foliar nutrition technology has been commercially deployed for approximately 15 years and has demonstrated consistent field performance across diverse crops, production environments and geographies. Applied during key crop growth stages, the technology is designed to enhance photosynthetic efficiency, improve nutrient utilisation and strengthen the plant's antioxidant defence system, thereby supporting yield stability and crop quality under environmental stress.

Verdesian said the product was developed through extensive research in plant physiology and stress-response biology, with multiple biological pathways aimed at strengthening the plant's natural mechanisms for coping with adverse growing conditions.

Company scientists noted that understanding how plants respond to environmental stress remains central to developing next-generation crop technologies capable of improving resilience without increasing chemical inputs. They added that the

independent certification reflects the depth of scientific research underpinning the product's development.

The company's leadership said the certification provides growers and agricultural retailers with greater confidence in adopting technologies that have undergone external verification, particularly as farming operations face mounting pressure to improve productivity while navigating increasingly unpredictable weather patterns.

The TFI Certified Biostimulant Program was established to introduce greater transparency and consistency within the biostimulant sector by setting recognised benchmarks for product composition, safety and demonstrated performance. The programme aims to support informed decision-making across the agricultural value chain while encouraging broader adoption of science-based sustainable crop production technologies.

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