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Lucent Bio secures patent for innovative biodegradable crop nutrient delivery technologyÂ

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Lucent Bio, an industry leader in sustainable crop nutrition, has been granted a patent for its innovative biodegradable nutrient delivery technology (US Patent No. 11,691,928).

Transformative technologies like this signal a new era in agriculture, advancing global practices and creating opportunities for investments in the future. Lucent Bio is actively fostering fertilizer innovation with new biopolymer-based seed coatings and controlled-release NPK coatings under development that are plastic-free and biodegradable.

The patented technology fundamentally reimagines the delivery of nutrients, using water-insoluble biopolymers to provide a next-generation alternative for crop nutrition. This technological breakthrough is backed by rigorous scientific research and validation, marking a pioneering stride in the agri-tech industry.

The patented technology will be harnessed through AGT Soileos in Western Canada, a joint venture between Lucent Bio and AGT Foods, leveraging the collective expertise to support farmers in enhancing crop performance while prioritizing the long-term stewardship of natural resources.

Peter Gross, Chief Technical Officer at Lucent Bio, says, "This patented technology redefines the concept of sustainable farming, by providing a fertilizer solution that is more efficient, environmentally responsible, and providing a better ROI for the farmer. The milestone places Lucent Bio at the forefront of agri-tech fertilizer innovation."

Murad Al-Katib, President and CEO of AGT Foods shared that, with the completion of its Saskatchewan manufacturing facility, the company will be able to bring these smart fertilization solutions to local farmers.