WITH OVER 4 MILLION DATA POINTS COLLECTED, LWR'S MANURE INTELLIGENCE NETWORK SETS A NEW BENCHMARK FOR AI-POWERED, VERIFIED PERFORMANCE IN SUSTAINABLE AGRICULTURE

Real data gathered over years of operation has built a global foundation where every measurement informs how LWR systems recover MORE water, MORE nutrients, and MORE value from manure, digestate, and foodwaste.

FOR IMMEDIATE RELEASE

(Calgary, AB) November 24th, 2025 – Livestock Water Recycling has surpassed 4 million sensor readings collected and analyzed from operating systems around the world. This continuous data stream represents more than ten years of real-world performance across multiple geographies, climates, and feedstocks, creating the most complete dataset of its kind in the industry.

Each reading reveals how water moves, how nutrients behave, and how systems respond. Together, these insights form the foundation that guides design, refines operation, and improves recovery efficiency across every installation.

LWR systems connect every part of the farm through live data, creating a continuous intelligence network that turns real-time measurements into measurable results.

These 4 million data points now power LWR's proprietary AI models, which continuously learn to optimize nutrient recovery, reduce polymer use, and lower operating costs. What once measured performance now predicts it, helping operators achieve faster troubleshooting, greater consistency, and more predictable results.

"When we started measuring and recording manure data, no one else was doing it," said Gareth Jenkins, Vice President of Engineering, Software and Product Development at LWR. *"We wanted evidence that sustainability could stand on its own as a business case. Four million data points later, that evidence is undeniable."*

Data from each system connects to a central intelligence platform through myPlant™, giving producers a live view of how their operation performs in real time. Those insights are further refined through ManuRewards™, which translates sensor readings into verified metrics such as carbon savings, cost reductions, and nutrient recovery performance.

LWR's AI models are now integrated across system operations worldwide, forming the foundation for next-generation innovations in autonomous manure processing, real-time nutrient optimization, and AI-powered water recycling.

Version 6 of the LWR system, launching for 2026 deployment, will be fully AI-enabled, drawing from the company's deep data library to deliver enhanced recovery efficiency, faster diagnostics, and measurable returns.

LWR's digital ecosystem is supported by a dedicated online **Help Desk**, giving system owners direct access to technical assistance, updates, and performance insights. This integration of intelligence, support, and service drives continuous improvement and ensures every system performs to its full potential.

LWR began digitizing manure long before smart farming dominated the conversation. That early commitment to data built the experience, credibility, and insight that define its leadership in sustainable agriculture today. Years of continuous operation have shown how reliable data and consistent performance create measurable value across the entire supply chain. With systems installed on more than forty farms, biogas facilities, and food-waste operations in five countries, LWR continues to translate operational data into results that improve efficiency and recovery performance.

To learn more about how LWR uses AI and data to drive performance and sustainability across operations worldwide, visit manure.ai.

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4,015,533
Sensor Data Points

A real-time snapshot from the myPlant™ interface shows the live count of more than four million verified sensor readings collected across LWR systems worldwide.

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About Livestock Water Recycling (LWR)

LWR is an award-winning global innovator of the on-site fertilizer PLANT™. This patented technology platform provides hog, dairy, anaerobic digester, and food processing operations the ability to selectively extract particles from biosolid stream allowing for the best use of the liquids - recycled clean water, fertilizers, biogas feedstock. LWR's approach to water treatment achieves triple-bottom-line outcomes: meeting the growing demand for food, increasing farmer profitability, and protecting the environment and public health. LWR's fertilizer PLANTs save farmers time and money by providing them with a cost-effective solution to manage manure and bioliquids in a sustainable manner. LWR has systems operating throughout North America, the Middle East, and the United Kingdom. Visit manure.ai.

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