



# FAST FACTS

With Lisa Fast

APRIL 2023

## KARLEIGH'S KORNER

A message from our agronomist



Did you know that manure contains all 14 essential nutrients for plant growth? That's right, not just nitrogen, phosphorus, and potassium, but also macronutrients such as sulfur, calcium, and magnesium, and crucial micronutrients like manganese, boron, and iron.

Manure also has added benefits compared to synthetic fertilizers as it contains organic matter that is rich in carbon, which helps to improve soil health. Plus, manure can provide similar nutrient analyses as blended synthetic fertilizers, but at a fraction of the cost.

While micronutrients may not be present in large quantities in manure, they play a significant role in the growth and function of plants. Take corn, for example, which requires several micronutrients for optimal growth, with zinc being a major player in enzyme and protein production and growth hormone regulation. And while manure may supply low quantities of micronutrients, this is actually a good thing, as plants typically don't require micronutrients in large amounts.

The key is to monitor your soil's micronutrient levels and determine if your crops require higher amounts, like boron for alfalfa. If you're looking for ways to enhance your plant growth and overall soil health, processed manure could be the solution you're looking for.

If you have any questions, don't hesitate to [reach out to me directly](#) as I'm always happy to discuss any topic related to manure and agronomy to help you find the best solutions for your unique situation.

Karleigh will present our advancements in nutrient recovery, resource optimization, and decentralized fertilizer production to the [Argus Sustainable Fertilizer Americas](#) conference audience on June 6th!

## REVITALIZE YOUR SOIL AND INCREASE CROP YIELDS WITH MANURE PROCESSING

Looking for an efficient and cost-effective way to manage manure and increase resilience and sustainability on your farm? Look no further than Livestock Water Recycling! Our manure processing equipment is designed to extract valuable nutrients from manure with the option to transform the rest into clean water! With data driven tech platform, you can transform manure into a valuable, easy to manage resources for plant growth while reducing waste, odor and expenses! [Contact us](#) today to learn more about how our solutions can go to work for you!

## GOOD NEWS FOR BEEF AND DAIRY PRODUCERS: MCDONALD'S UPGRADES ITS CLASSIC BURGER LINEUP AHEAD OF MASSIVE US MARKET EXPANSION

McDonald's has announced exciting changes to their burger lineup! The Big Mac, McDouble, Cheeseburger, and Double Cheeseburger will soon have even **more cheese**, caramelized white onions for an extra pop of flavor, and more Big Mac sauce. This investment in their core menu comes as the restaurant chain plans to invest up to \$2.4B to build 1,900 new restaurants worldwide - including a big U.S. expansion - the chain's first in 8 years. That news, added to more cheese on the burgers is good news for the beef and dairy producers in their supply chain! [Read More](#)



## EGYPT ESTABLISHES ITS FIRST BIOGAS PLANT

Exciting news from Egypt as the country's first-ever biogas factory is set to be built in Sadat City!

Egypt's Industrial Products company has joined forces with the National Company for Animal Production to make this project a reality. Using a whopping 85,000 tons of cattle manure each year, the factory will generate a megawatt/hour of electricity, which will be added to Egypt's national grid. Not only that, but this impressive facility will also produce more than 80,000 tons of top-quality organic fertilizer, perfect for restoring agricultural soil fertility and doubling productivity.

Plus, by reducing greenhouse emissions by a staggering 5,000 tons of carbon dioxide, the plant is making a huge contribution to sustainability. This exciting venture is the perfect example of the public and private sectors coming together to promote clean energy and meet COP27 targets. [Read More](#)

[Contact us](#) today to learn about biogas opportunities in your area, or to understand how LWR integrates into these projects!



**BIOGAS AMERICAS**  
POWERED BY ABC

We will soon be headed to Chicago for Biogas Americas. [Let us know](#) if we will see you there!

[www.LivestockWaterRecycling](http://www.LivestockWaterRecycling)







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## HAPPY PLANTING!

On behalf of our team, we would like to wish you a safe and successful planting season!

As you embark on this exciting time of year, we hope that the weather cooperates and your hard work is rewarded with a bountiful harvest. Wishing you all the best for a successful growing season!



Proud sponsor of the  
**WOMEN IN BIOGAS**  
luncheon during

**BIOGAS  
AMERICAS**  
POWERED BY ABC

May 15-18th  
Chicago, IL



## AMERICANS DEMAND CLIMATE ACTION FROM BUSINESSES WHILE EMBRACING RENEWABLES

According to recent [Pew Research Center](#) surveys, 7 in 10 Americans support climate neutrality by 2050, and see renewable energy and fuel development as a priority. However, 67% believe that large businesses and corporations are doing too little to address climate change.

Although companies are making progress towards their Scope 1 and 2 reduction goals, it is becoming more challenging to reduce emissions from fuels and purchased energy. One solution is exploring renewable fuel production, particularly renewable natural gas (RNG), which has near-zero combustion emissions and fits seamlessly into existing distribution networks.

As we move past Earth Day, let's not lose sight of the challenge and continue exploring opportunities to accelerate progress towards climate goals. [Read More](#)

## CARBON COPY

EMISSIONS  
REDUCTION  
ALBERTA

In [episode 17](#) of ERA's Carbon Copy Podcast, Chief Innovation Officer, Mark Summers, sits down with LWR CEO Karen Schuett, to discuss how technology is making farming more sustainable.

## LWR'S INNOVATIVE TECHNOLOGY ADDED TO DAIRY INNOVATION ASSESSMENT TOOL

We're thrilled to share that we have been included in the new [Dairy Innovation Assessment Tool](#) - a revolutionary database that features the latest and greatest technologies for the dairy industry in California and the Netherlands. With a comprehensive evaluation of impact in areas like sustainability, labor, and manure management, this tool aims to accelerate the adoption and commercialization of novel technologies that can tackle critical industry challenges.

This month we participated in an [energy in ag](#) round table to discuss how *collaboration and innovation* will tackle emission reduction and boost efficiency!

## MANAGING MANURE AND WATER IN THE GREAT STATE OF TEXAS

Karleigh had a blast meeting 'Calamity Jane' at the [Fort Worth Stockyards](#) during her recent visit to Texas - a state experiencing impressive dairy production growth. While the hot and dry conditions are great for the cattle, it does come with water and waste management challenges. If you're in Texas or New Mexico and need help managing water more efficiently, [connect with Karleigh](#) to learn how LWR can help!



## LWR IS BRINGING MANURE WASTE TO VALUE OPPORTUNITIES TO WASHINGTON DC TO SEEK GOVERNMENT SUPPORT

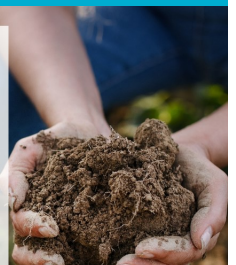
### AIM for Climate Summit

JW Marriott Washington, DC

May 8, 2023 - May 10, 2023

⌚ Viewing in Eastern Time Adjust

Registration is now full.  
LIVESTREAM THE EVENT



[www.LivestockWaterRecycling.com](http://www.LivestockWaterRecycling.com)

