



# FAST FACTS

With Lisa Fast

JANUARY 2023

## KARLEIGH'S KORNER

A *special* message from our agronomist



I have some exciting news to share as I write this month's Karleigh's Korner from **Arizona**! I am temporarily headquartered in the Grand Canyon State, where I'll be connecting with local producers while escaping the cold white north alongside my right hand man! (pictured below)

Did you know that Arizona's average herd size is 2,000 head? The United Dairymen of Arizona have 61 member farms, with herds ranging from 1,000 to 20,000 milking cows. Arizona summers are no joke, making water reuse and recycling extremely important here. I look forward to visiting local farms to see the innovative ways they manage their water (*and their manure*) in a desert environment. If you're a producer located in the Southwest region of the US, I'd love to meet you while I'm here so please reach out to schedule a visit.

Later this month I'll be headed to Tulare, California for World Ag Expo. If you will be at the show, come see my seminar presentation!

Would you like to learn more about manure processing and resource recovery?

[CLICK HERE](#) to book a meeting with me during the show!



Pictured above: Karleigh and Bean explore the Arizona desert



## WIN SOME SWAG!

It's as easy as sharing what trade shows, events and conferences you will be attending in 2023! Complete [this short survey](#) and be entered to win!

## ♥ FALL IN LOVE ♥ WITH YOUR MANURE THIS VALENTINE'S DAY

Join us for a Seminar Presentation:

**From Waste to Worth: Monetizing manure as high value feedstock for renewable natural gas**

This session will bring together Ag Tech, Water Tech, and Energy Tech to showcase how farms are increasing production, diversifying revenue streams, and improving on-farm resource efficiencies to pave the way for long term prosperity with the most transformative hub and spoke revenue model the ag industry has ever seen!

**Date:** February 14<sup>th</sup> | **Time:** 1:00pm | **Location:** Seminar Trailer 2

[CLICK HERE](#) to reserve your seat!



## A LOOK AHEAD TO MARCH MANURE MADNESS

March is typically the time of year when farmers begin to apply manure to their fields in preparation for the growing season. Applying manure in March allows the nutrients to be absorbed into the soil before the crops begin to grow. It also helps to reduce soil erosion and improve soil structure, which can help to improve crop yields.

While we won't be applying manure this March, we will be talking about it! Our team is headed to San Francisco for the [Animal Agtech Innovation Summit](#), [World Agritech](#), and the [Future of Food Tech](#)! LWR's CEO Karen Schuett will also be the featured keynote speaker at [Feed Your Future: Empowering Young Females to Pursue Careers in Agriculture and STEM](#)!

## DID YOU KNOW?

Did you know that processing manure immediately on a dairy farm has resulted in reduced SCC, reduced mastitis, reduced antibiotic use, increased pregnancy rates, and increased milk production?!

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





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## THE FUTURE OF ANIMAL AGRICULTURE AS PREDICTED (AND WRITTEN) BY CHATGPT

Chat GPT has taken the world by storm but if you're one of the few that hasn't heard about it, or tried it, I asked it to explain itself:

ChatGPT is a special computer program that helps people have natural conversations. It uses a type of artificial intelligence (AI) to generate responses to what people say. It can understand the meaning of words and sentences, and respond with relevant information. ChatGPT is like having a conversation with a very smart computer that can answer questions and give advice. It can also generate multiple responses to a single query, so users can pick the one that works best for them.

So I went ahead and asked it to predict the future of animal agriculture:

The future of animal agriculture is one of innovation and sustainability. Animal agriculture is the backbone of many global food systems, providing a much needed source of protein and nutrition. As the industry continues to evolve, producers are focusing on new technologies and practices that reduce the environmental footprint of animal production. This includes the use of precision farming techniques and alternative feed sources. Additionally, animal welfare is becoming an increasingly important topic in the industry, and producers are making strides towards improving animal welfare standards. As the industry continues to evolve and innovate, it will be important to ensure that animal agriculture remains a sustainable and responsible source of food and nutrition.

Did you know that the LWR technology uses AI to create actionable insights by measuring and reporting on flow through the system and the resulting nutrient capture, along with the amount of carbon captured for either biogas creation or for trading into carbon markets!

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FEBRUARY 6-8, 2023  
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We will proudly present our advancements in nutrient recovery, resource optimization, and decentralized fertilizer production to the International Fertilizer Association's Smart & Green Conference audience on Feb 8th!

## ANSWERING YOUR FAQs

### How can manure processing help me apply more manure to my fields?

By processing manure, essential nutrients are isolated into two distinct products: a solid and a liquid. The phosphorus is isolated in the solids that can be strategically and economically applied on fields farther away from the barns. The liquids, containing only trace amounts of P, can be applied to the acres closest to the barns, as these fields are generally higher in P. This allows you to apply higher application rates compared to raw manure. This also lessens the stress on your storage capacity because you can apply *more* liquids throughout the growing season ... *which also helps to increase yields!!*

### SCIENTISTS SAY FERTILIZERS MADE FROM HUMAN URINE AND FECES ARE 'SAFE AND PRODUCTIVE' TO USE IN FOOD PRODUCTION

A study from Germany has claimed to show that modern 'green' products recycled from human excreta are excellent – and importantly, safe – fertilizers to use on food crops. This is good news for manure and the circular economy!! Read more [HERE](#)

## bp RELEASES THEIR ENERGY OUTLOOK

This year's bp Energy Outlook explores the key trends and uncertainties surrounding the energy transition out to 2050. The document has been updated to take account of two major developments over the past year: the Russia-Ukraine war and the passing of the Inflation Reduction Act in the US. Notably, they mention the use of modern biofuels - modern solid biomass, biofuels and biomethane - is growing rapidly, helping to decarbonise hard-to-abate sectors and processes. Click [HERE](#)

## REQUEST A QUOTE

From being the first to the continued market leader, our vision has always been to help livestock farmers increase farm efficiencies, while becoming even more environmentally sustainable. [Request a quote](#) today and discover the benefits of manure processing!

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

