



FAST FACTS

With Lisa Fast

DECEMBER 2022

KARLEIGH'S KORNER



A message from our agronomist

Winter is now officially upon us however depending on where you live, you might already feel like winter is in full swing! This time of year can lead to beautiful snow covered landscapes but it does not lead to ideal manure spreading conditions.

While snow covered ground is no place for manure, bare ground can also be less than ideal when it comes to manure application in the winter. Applying manure to frozen ground can result in the runoff of valuable nutrients which is less than ideal for the environment and your bottom line!

Despite our best laid plans, Mother Nature is ultimately in charge when it comes to when you can spread manure, so having a back up plan is key.

Here are 4 things to consider when it comes to winter manure application:

1. Test your manure and soils so that you are only applying what the crop will need to grow
2. Wait 24 hours after a precipitation event to Avoid applying on saturated fields
3. Apply manure to flat ground and avoid slopes to decrease the chance of runoff
4. And always follow the required distances from surface water - no matter the season!

If you are worried about your storage capacity or are looking for ways to reduce your manure volume, connect with me to learn more about manure processing! (p.s. Stay tuned for some big news coming soon...) [Email Me](#)

N₂O EMISSIONS FROM SOILS SLASHED BY ADDING MANURE

A team at Rothamsted Research in Hertfordshire found that adding carbon-rich manure to soils can dramatically reduce emissions of the potent greenhouse gas. Doing so essentially "locks in" nitrogen as it is no longer turned into nitrous oxide gas by microbes such as fungi and bacteria. [Read more](#)

LWR has been selected to join the Canadian delegation to:

CLEANTECHFORUMNORTHAMERICA

Palm Springs, CA 23-25 January 2023

MaRS

POO POWERED PLANES?!

Did you know that it's possible to produce sustainable aviation fuel (SAF) from manure?! Manure contains methane, which can be harvested and converted into SAF through anaerobic digestion to ultimately produce a biofuel that is chemically similar to traditional jet fuel.

This is just one more reason that we believe that *manure can save the planet!*



CLICK HERE to request your
2023 Nutrien Management Record Keeping Calendar

FALL IN LOVE WITH YOUR MANURE ON VALENTINE'S DAY

WORLD
AG EXPO
TULARE, CA 2023

We have been selected to present a seminar during World Ag Expo! Join us on Valentines Day in Tulare to fall back in love with your manure!

CALIFORNIA PIONEERS A PATHWAY TO SIGNIFICANT METHANE REDUCTION

Analysis by UC Davis researchers shows continued implementation of California's incentive-based dairy methane reduction efforts should, by 2030, achieve the full 40% reduction goal. [Read more](#)

NORTH AMERICA SEES A 764% INCREASE IN RNG FACILITIES WITH MORE PROJECTS UNDERWAY!

Over the past 10 years, North America's RNG industry has grown from just 31 operating facilities to 268 with 235 in development! [RNG Coalition](#) has identified 43,000 sites, including farms, wastewater treatment facilities, and landfills across North America and is working to capture methane from each by 2050! [Read more](#)

Contact us today to be connected to an RNG project near you!

HAPPY NEW YEAR!
Does your
New Year's Resolution
include making money from
manure?

Let's build a plan together!
Connect with us today and
let's make 2023 your most
profitable year ever!

WIN LWR SWAG BY COMPLETING THIS SHORT SURVEY!

We want to know what industry trade shows, events and conferences will you be attending in 2023, where you go to get social online, and what industry publications, podcasts and radio stations you tune in to. Let us know by completing [this short survey](#) and be entered to win some LWR swag!

www.LivestockWaterRecycling.com





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LIVESTOCK WATER RECYCLING'S 2022 YEAR IN REVIEW

2022 has been a productive and fulfilling year for our team. Not only did we break our own record for the number of systems shipped in a single month, we were back on the road meeting clients, giving industry presentations, and attending trade shows. We moved our Innovation Center to a bigger facility in preparation for an even busier year ahead and increased out staffing by 65%! Check out our highlights below:

In 2022 LWR customers mitigated over 300,000 CO₂e combined — that's equal to the greenhouse gases emitted from driving 745,302,077 miles — or 1,560 round trips to the moon!

Selected to present seminar during World Ag Expo in Tulare, California

Awarded
Solar Impulse Efficient Solutions Label

Participated in a Water Technology Roundtable on International Women's Day

Shipped systems to Iowa, California and South Dakota

Selected from 1,400 Solar Impulse solutions as one of 50 technologies presented to the French government to accelerate the ecological transition in France

Processed an estimated 286M gallons of manure and digestate

Accepted into the Cultivator Agtech Accelerator and the Canadian Technology Accelerator: Agtech

The ghg reduced by processing manure through LWR systems in 2022 is equal to emissions from 26,735,401 gallons of diesel consumed

Named to **Foresight 50** as one of the 50 most investable cleantech companies in Canada

Selected by Tyson Foods to present alongside Vanguard Renewables at their inaugural Demo Day

Teamed up with Olds College for an Applied Research Project

Increased staff by 65% including key hires including COO, Project Manager, Production Lead and Environmental Chemist

Partnered with **VYLA** to connect manure data with dairy stakeholders for increased transparency

Upgraded to a bigger and better Innovation Center

Attended World AG Expo, World Pork Expo, and World Dairy Expo

Participated in virtual trade mission to Benelux

Participated in trade mission in Japan

Karleigh awarded Crop Advisor Certification

Concluded the verification process to receive voluntary carbon credits on a dairy in WA

Shipped, installed and commissioned the First Wave system to Northern Ireland

Selected by Global Affairs Canada to present inside the Canada Pavilion at COP27 in Egypt



Thank you to all of the elves at LWR who came together to purchase gifts to make one family's Christmas a little brighter. We are grateful for the many organizations that make it easy for us to give back to our community.

An extra special thank you to our honorary office mom and baking phenom LOIS for the special delivery of baked goods...

(most were devoured before ta pictured could be taken!)



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