



Use recycled manure solids for bedding without the tradeoffs.



A COSTLY \$444 PER COW PRICE TAG?

While recycled manure solids (RMS) can be an attractive bedding source, using untreated or treating RMS with chemical-based products comes with a long list of concerns.

For example, chemical treatments, like lime or acid, can present risks to employee safety and animal well-being, while untreated RMS leave your herd vulnerable to environmental pathogens that could lead to high somatic cell count (SCC) and environmental mastitis.

Since a single mastitis case costs approximately \$444 per cow in lost milk, vet expenses and overall productivity,¹ it's essential to find a way to use RMS without concerns or unwelcome costs.

What if you could use RMS as a sustainable manure outlet without the risks?



PREMIUM PROTECTION.

Reduce the threat of high SCC and protect milk quality premiums.



AVOID MASTITIS.

24/7 targeting of environmental pathogens to reduce risk of environmental mastitis.



EMPLOYEE PRODUCTIVITY.

Employees waste less time treating infected cows and re-treating bedding with less effective, intermittent bedding applications.

COUNT ON CERTILLUS™ ECO DAIRY BEDDING TO:



Safely and effectively use beneficial bacteria to target pathogenic threats in your RMS bedding.



Help lower SCC and cases of environmental mastitis.



Provide a sustainable manure outlet without the safety risks of chemical bedding treatments.

THE PROOF IS IN THE RESEARCH.

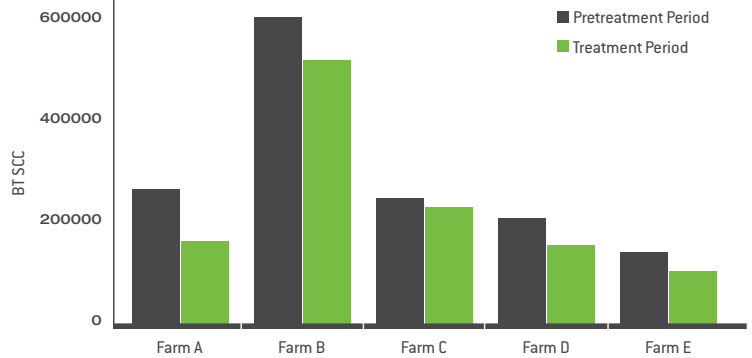
CERTILLUS™ Eco Dairy Bedding has proven its efficacy in addressing some of the most common concerns associated with the use of RMS dairy bedding. For example, trials at five commercial dairies² indicate that CERTILLUS Eco Dairy Bedding effectively reduced pathogen levels within bedding material, as well as SCC and mastitis events.

- The average level of *E. Coli*, coliforms, *Klebsiella* and Group D streptococci in bedding decreased with CERTILLUS Eco Dairy Bedding application.
- A decrease in bulk tank SCC was observed at all five dairies, with an average SCC reduction of 56,800.
- Monthly mastitis events decreased on four of the five dairies using the CERTILLUS Eco Dairy Bedding application, with an average reduction of nine events per month.

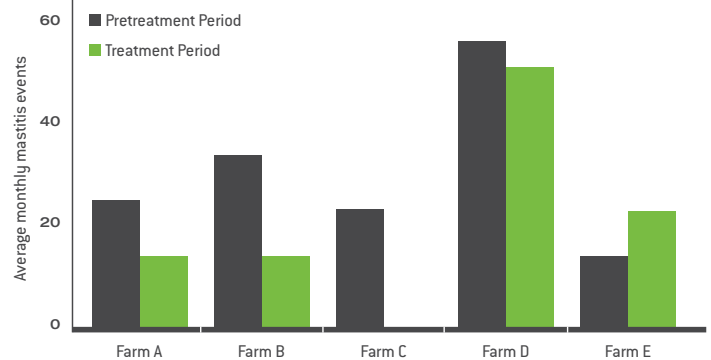
THINK OF THEM AS MICROBES ON A MISSION.

CERTILLUS Eco Dairy Bedding is one of many CERTILLUS Targeted Microbial Solutions™. Each #ScienceHearted application uses positive strains of *Bacillus* to get your most important jobs done right—everything from animal waste management to optimizing gut health and controlling pathogens in silages.

INDIVIDUAL FARM BULK TANK SCC AVERAGES.



INDIVIDUAL FARM MONTHLY MASTITIS EVENT AVERAGES.



To learn more about CERTILLUS contact your nutritionist, veterinarian or ARM & HAMMER™ representative or visit AHfoodchain.com.

¹ Rollin E, Dhuyvetter K, Overton MW. The cost of clinical mastitis in the first 30 days of lactation: An economic modeling tool. *Prev Vet Med* 2015 Dec 1;122(3):257-64.
² ARM & HAMMER field trials. References available upon request.