



The Importance of Sanitizing Livestock Facilities

Reducing the potential spread of disease within livestock facilities is a constant effort that requires a comprehensive plan. As with many other farm decisions, the cost is a motivating factor when considering your sanitization plan and its intended goals. While there is a price involved with implementing a comprehensive sanitization plan, this cost helps protect your livestock from contracting illnesses that can be very expensive to treat effectively.

Pathogens come in multiple forms, such as bacteria, viruses, parasites, and fungi. Protecting your livestock requires an understanding of what makes them vulnerable to these pathogens. Younger animals are inherently at a higher risk due to their lower resistance, along with animals that are battling multiple conditions. For example, an animal dealing with a chronic fungal infection would be more susceptible to developing a secondary condition. To have an effective sanitization plan, the system must be designed to prevent the spread of disease, while also addressing the fact that different pathogens can still make their way onto the farm.

The majority of sanitizing chemicals arrive in a highly concentrated form but need to be diluted to a specific strength. Products typically have a suggested dilution ratio that renders the product safe for animals while remaining effective against germs. DEMA Engineering Company has a long and successful history of designing and manufacturing dilution systems that ensure you get the right dilution every time.

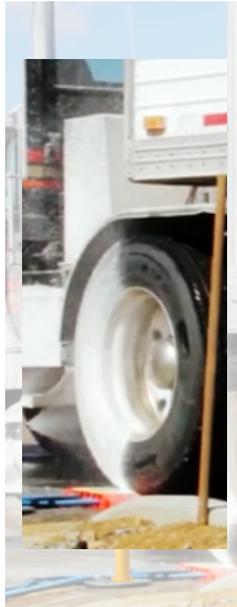
Livestock farms can greatly benefit by utilizing DEMA products in multiple areas to establish a comprehensive sanitization plan. The DEMA 8500 CDS (Chemical Delivery System) is a unit designed for making diluted iodine solutions, in this case, for use in the dairy milking parlor as a teat dip. After the cows have been milked, they typically leave the dairy parlor and pass through a footbath. The footbath reservoir tank can be filled by a DEMA 8502 CIP Chemical Blending Unit that dilutes the concentrated chemicals to the desired strength. Using different formulas on different days is easy with electric pumps and helps to protect from a wider range of illnesses. Some of the other advantages of using an electronic pump unit are that the results are consistent, cost-effective, and ensure your animals are protected. DEMA's dilution systems can dispense a wide variety of chemicals, offer a high level of chemical compatibility, and reduce training times for new employees. New employees don't need to remember a complex set of formulas, pour an exact amount, or adjust any knobs; they simply hit a button and get the exact product they need.

A truly comprehensive plan doesn't just cover the areas used by animals, but also the areas used by people. Vehicles and personnel present a risk as they travel from one area of the farm to another or even travel between multiple farms. When a vehicle enters, it should be treated with a foam sprayer so that pathogens don't get a free ride into your farm. DEMA produces foam spraying units that can help make this an easy job with consistent results. Your comprehensive sanitization plan is only as strong as the weakest link, so make sure you account for all potential risks.

To address the contamination risk presented by personnel, the next step in sanitizing involves the DEMA Cyclone, a portable injector system. This system can produce a solution that sanitizes workers' boots to prevent spreading pathogens as they travel on the farm and move between buildings.

Some of the pathogens found on farms not only impact your livestock but could also impact your workers and customers. Using a comprehensive sanitization plan helps ensure that your livestock, workers, customers, and bottom line all stay protected. Many have found that a comprehensive plan is also a requirement for customers who wish to have products they can trust.

Visit ag.demaeng.com for more great information!



10020 Big Bend Rd.
St. Louis, MO 63122 U.S.A.
Tel: 314.966.3533
Fax: 314.965.8319



ag.demaeng.com



sales@demaeng.com