



SureCide AH Livestock Drinking Water Treatment Program: Healthier Animals Produce Better Results

Presented by:

Todd Wiseman

Corporate Sales Manager – Enviro Tech Chemical Services

Industry Background and Challenges

- **Animal drinking water is a major source of health challenges**
 - a) **Water supplies** (wells or city water) can contain microbes
 - Bacteria, fungi (yeast and mold), viruses, algae, protozoa, etc.
 - b) **Animal drinking systems** make it easy for microbes causing diseases to grow and thrive by forming protective biofilms within the waterlines
 - Water is slow moving/gets warmed – encouraging microbial growth
 - The system may have many hiding places and dead ends – niches
 - Drinking nipples connected to the systems/lines allowing microbes, their spores and food particles to transfer from animals to the water stream inside the line
 - Microorganisms of concern are: *E. coli*, *Salmonella*, *Campylobacter*, *Clostridium septicum*, *Clostridium perfringens*, *Staphylococcus aureus*, etc.



Drinkers Allow The Transfer of Bacteria From Animal to Animal Through The Drinking Water System



- **Surecide AH** is a chlorine dioxide based product
- Two part products (sodium chlorite and activating acid)
- Requires activation prior to use
- Activation is done automatically via an enclosed system to generate the stock solution – no manual mixing – no sachet packets – concentrated liquids are more cost effective and reliable than granular and tablet products
- Stock solution is then diluted automatically to 3-5 ppm total ClO₂ (0.5 – 1.5 free ClO₂) using flow controlled electronic metering pump or water driven volumetric pump
- The system is safe and easy to install
- ClO₂ has a much wider pH span than chlorine and has 2.6x the oxidizing power – also helps control high pH unlike chlorine
- Minimal maintenance required
- ***Surecide AH is more cost effective than similar products in the marketplace***

Program Benefits



- **Continuous waterline sanitation eliminates the need for labor intensive line flushing – ensures water quality**
- **Improved feed ratio conversion (less feed/more weight) = more money for both the producer and the integrator**
- **Heavier animals**
- **Reduced risk of mortality caused by bacterial born diseases**
- **Robust farm level antimicrobial program that supports the ABF(Antibiotic Free) movement within the industry**
- **Grower Safety – No manual chemical mixing required!**

Healthier Animals Produce Better Results



ClO2 Generator – Lafferty Equipment



- Low Cost
- Simple venturi dilution – adjustable dilution ratios
- Automated- No Manual Mixing
- Double Float controlled
- Optional exterior venting port
- No electric required – water only
- Smaller footprint than similar generators – larger capacities available for large farms
- <http://www.laffertyequipment.com/products/989316/>
- Buy directly from manufacturer – not Enviro Tech



Electronic Metering Pump





More accurate than water driven medicators

Reliable – Water driven pumps are not made to run 24/7. They require a robust service schedule.

Chemistry never contacts the motor

Adjustable dilution ratios

Various pump sizes for large or small farms – pulse or 4-20mA input required

Lowest cost of ownership value on the market



Additional
Animal
Health
Products

- Perafoam
- Perasan A – Peracetic Acid
- Hydrogen Peroxide- 34% & 50%
- Quat
- Floor Guard – beaded anti-microbial floor treatment



Industry Recognized

Allen Harim Farms

Perdue Farms – Delmarva

Amick Farms

Rose Acre Farms

Miller Poultry

Cal-Maine Foods

VALO BioMedia

Cobb Vantress

Country Charm Egg

Jaindl Farms