

# AQUATIZE®



## AQUATIZE® IN BRIEF

### UNITED STATES QUALITY

United States Environmental Protection Agency (EPA) registered animal drinking water disinfectant authorized to list 11 bacteria on its label -- a unique attribute.

### UNIQUE FORMULATION

Odorless oxyhalogen formulation which multiple tests have shown to be more effective at killing pathogens in drinking water than bleach and some antibiotics.

### INCREASED PROFITS

Use of AQUATIZE® in drinking water has been shown to lower Feed Conversion Ratio (FCR), improve immunity to disease, and increase animal weight gain for many animal species.

### SCIENTIFIC DATA

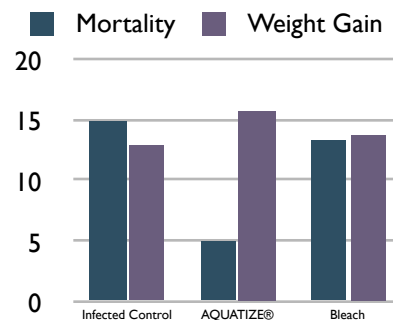
Unlike many animal drinking water disinfectants on the market, AQUATIZE® has a vast library of scientific data behind it -- in many cases, the data has been published in peer-reviewed journals and researched by respected organizations in their field.

*Keeping water free of pathogens*

## Cleaner water = more profits

Clean drinking water is the most 'fundamental nutrient' but often the most neglected. To reduce costs, many producers may be utilizing inefficient substances to avoid contamination by waterborne pathogenic microorganisms. Water is an excellent source for disease transmission, especially in poultry and swine. Although consumer and government regulatory attention tends to focus on *E. coli* and Salmonella, a wide range of disease-causing pathogens are transmitted through drinking water. And in areas where many animal producers use the same water supply, the consequences of water contamination can be downright disastrous.

Typically, livestock producers use acidifiers, chlorine (bleach), chlorine dioxide or hydrogen peroxide to combat pathogens in water along with other harsher chemical methods to combat biofilm buildups in water lines. However, each of these methods has inherent problems in effectiveness. Chlorine bleach and chlorine dioxide are the most commonly used water disinfectants, and although they are inexpensive, in order to effectively kill pathogens in contaminated water, the concentration of each of these disinfecting agents must be raised to a point where the disinfectant may actually interfere with performance of the animals or the animal may die if the concentrations are too high. Chlorine dioxide is an efficient disinfectant, but also dangerous to handle and producers risk workers' safety by using it in farm situations.



*AQUATIZE® in pigs infected with *E. coli* and salmonella in a highly replicated study in % and kgs. (PARC Institute USA).*

*Quality water disinfectant for animals*

## A Serious Need

The need for a stabilized, non-toxic water disinfectant is significant. AQUATIZE® is the result of more than a decade of R&D which has produced a unique formulation. The product can be stored for years without loss of activity, it is odorless, and it kills a wide spectrum of bacterial pathogens in drinking water, even at very low concentrations. AQUATIZE® does not appear to pose any threat to the environment, to farm workers or the animals that consume it. In addition, regular use of AQUATIZE® in the water lines prevents the build-up of biofilm and will dislodge existing biofilm after treated water passes through the lines. AQUATIZE® boosts profits, as seen in the above scientific trial conducted in pigs. The time to use AQUATIZE® in animal drinking water is NOW.