



ReduceIT™ and SaniDate® 5.0

Poultry Drinking Water Treatment Program

Water is an integral part of raising healthy poultry and proper water treatment increases the success of each flock. Many growers implement sanitation programs and acidification additives to improve water quality and it is important to understand these two different approaches work together to achieve superior results. Acidifiers alone cannot effectively reduce microbial loads of heavily contaminated water sources, but combining these treatments provides a more stable solution and, therefore a greater antimicrobial advantage.

Quickly lower pH levels with **ReduceIT**'s strong-acid and buffering salt formula to prevent scale build-up, biofilms, and bacteria growth in water lines. Apply along PAA (peroxyacetic acid) based sanitizer/disinfectant **SaniDate 5.0** to eradicate residual pathogens, algae, and slime-forming bacteria to keep water clean and clear. Use through the entire grow-out for layers and broilers to help promote a healthy gut flora, which assists in producing a healthy bird.

ReduceIT™

- Sulfuric acid (strong acid) + sodium sulfate (buffering salt) formula
- Ideal for use while birds are present
- Improves water palatability and efficacy of disinfectants¹
- Buffered acids are less corrosive, protecting equipment and workers

SaniDate® 5.0

- Peroxyacetic acid + hydrogen peroxide formula
- Chlorine free, biodegradable
- Controls human health pathogens and viruses*
- OMRI-Listed

For best results, use both acidifier and sanitizer throughout the entire grow out to maintain clean water conditions and optimal gut health. For increased control, run SaniDate 5.0 through water lines between flocks to flush heavy soils and contaminants (see *SaniDate 5.0 Cleaning Poultry Water Lines* program).

Combine **ReduceIT** and **SaniDate 5.0** in a tank-mix or dose using dual-injection system. Application rates will depend on pH and alkalinity levels of source water— see chart on back.

Medicator Dilution Rate 1:128		
Source Water pH	Less than 7	Greater than 7
ReduceIT/Gallon of Water	0.5 fl. oz.	1 fl. oz.
SaniDate 5.0/Gallon of Water	1.6 fl. oz.	1.6 fl. oz.
Stock Solution pH	1.5	1.3
Target pH at the End of Water Line	5.0–6.0	5.0–6.0

APPLICATION NOTES

- To prepare stock solutions, add SaniDate 5.0 to water first followed by ReduceIT.
- It is recommended to start with the lower rate of ReduceIT and adjust as needed based on target pH at the end of the line.
- Administer ReduceIT continuously during times of stress (vaccine reaction, migration, clostridium challenge, heat stress etc.) and 72 hours prior to catch as a pre-harvest intervention (reduces Salmonella and Campylobacter²).
- Do not administer 24 hours before or after any live bacterins or water vaccination.
- Stock solution pH should fall within 1.2–1.5 and may vary depending on alkalinity/hardness of source water.
- Target pH is 5.0–6.0 at end of water lines.

Some applications require specific PPE. Please refer to the label prior to use.

*When used as hard surface treatment.

1. Vaddu S, Kataria J, Rama E.N., Moller A.E., Goulu A, Singh M, Thippareddi H. Impact of pH on ef-ficacy of peroxyacetic acid against Salmonella, Campylobacter, and Escherichia coli on chicken wings, Poultry Science, Volume 100, Issue 1, Pages 256-262, ISSN 0032-5791, 2021

2. Watkins S, Cornelison J, Tillery C, Wilson M, Hubbard R. Effects of water acidification on broiler performance. University of Arkansas Cooperative Extension Service. Avian Advice 2004; 6(2):4-6.