

# SaniDate® 12.0

## Irrigation Water Treatment

SaniDate 12.0 is the first and only EPA-registered product that reduces foodborne bacteria in preharvest agricultural irrigation water. It is the ideal solution for in-field food safety to reduce potential cross-contamination.

### ACTIVE INGREDIENTS:

Hydrogen peroxide.....	18.50%
Peroxyacetic acid.....	12.00%
OTHER INGREDIENTS.....	79.50%
TOTAL.....	100.00%

### KEY FEATURES and BENEFITS

- Controls Shiga toxin-producing *Escherichia coli*, including O157:H7 and *Salmonella enterica*
- FSMA compliant
- Cost-effective with high dilution rates
- Breaks down into oxygen, carbon dioxide, and water
- Non-corrosive when diluted

### SANIDATE 12.0 VS. CHLORINE

- No potential phytotoxicity, unlike chlorine products
- No addition of sodium or chlorides to the soil
- Works across broad pH range (4–9)
- Low turbidity influence
- Does not interact with fertilizers or pesticides

### APPLICATION RATES

#### GENERAL IRRIGATION WATER TREATMENT

Application Rate	PAA Concentration	Dilution Rate
Low Rate	4–5 ppm	33,250–26,650
Medium Rate	6–7 ppm	22,250–19,000
High Rate	8–10 ppm	16,650–13,350

#### FOODBORNE BACTERIA

Application Rate	PAA Concentration	Dilution Rate
STEC* including O157:H7 and <i>Salmonella enterica</i>	6–10 ppm	22,069–13,196

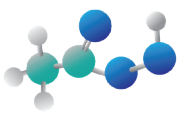
### CONTROL FOODBORNE BACTERIAL PATHOGENS IN PREHARVEST AGRICULTURAL WATER

SaniDate 12.0 controls Shiga toxin-producing *Escherichia coli*\*; including O157:H7 and *Salmonella enterica*.

Maintain a minimum of 6 ppm residual PAA throughout the irrigation cycle.

Confirm residual ppm throughout the irrigation cycle during treatment.

It is recommended to use current AOAC and/or Standard Methods (<https://www.epa.gov/dwanalyticalmethods>) to confirm residual PAA in water post treatment (e.g. test strip, titration, or another method).

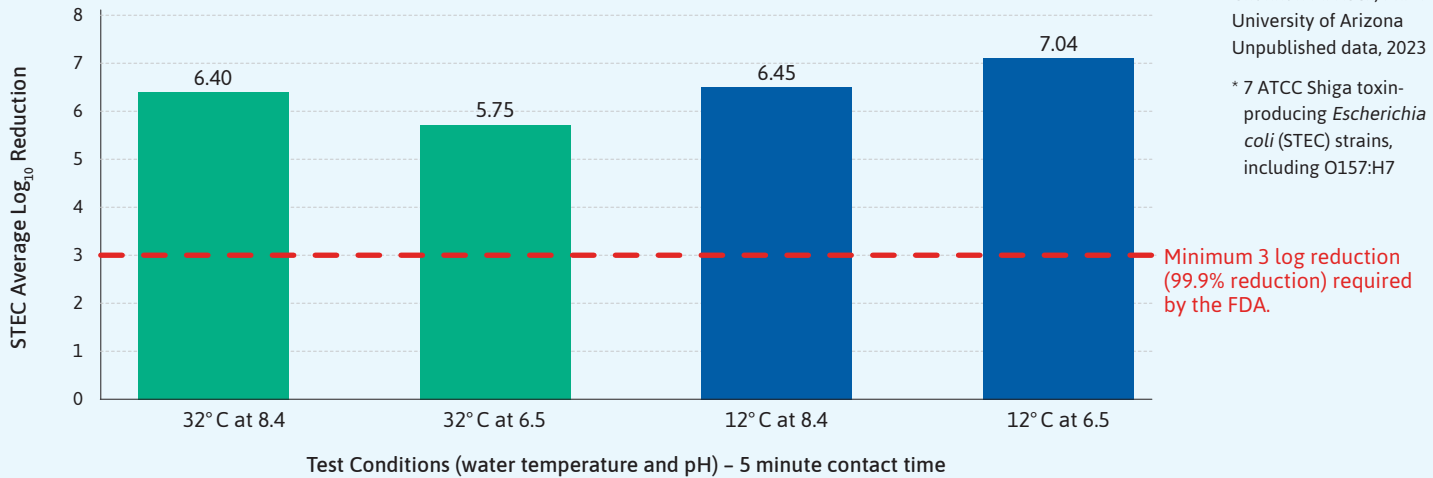


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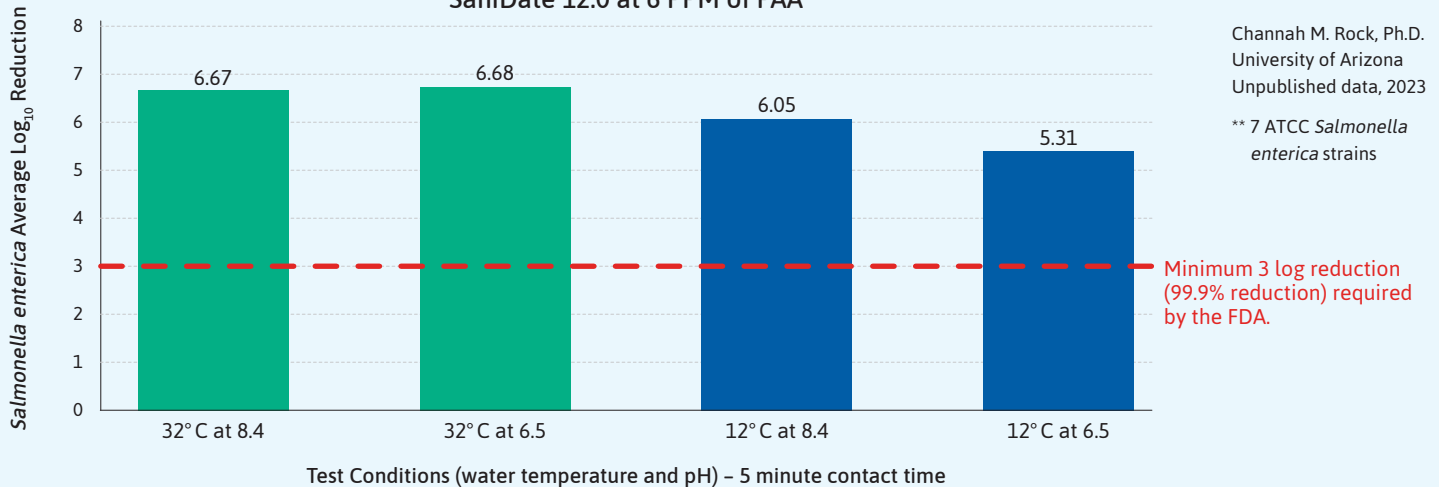
### Average Log<sub>10</sub> Reduction of STEC Cocktail\*

SaniDate 12.0 at 6 PPM of PAA



### Average Log<sub>10</sub> Reduction of *Salmonella enterica* Cocktail\*\*

SaniDate 12.0 at 6 PPM of PAA



- SaniDate 12.0 achieved the required minimum 3 log reduction (or 99.9% reduction) of Shiga toxin-producing *Escherichia coli*, including O157:H7 and *Salmonella enterica* required by the FDA efficacy protocol to reduce foodborne bacteria in preharvest agricultural water.
- SaniDate 12.0 reduces foodborne bacteria in preharvest irrigation water by 99.9% when used as directed.
- The required dosage may vary depending on the water quality and the degree of contamination present.

It is recommended to use current AOAC and/or Standard Methods (<https://www.epa.gov/dwanalyticalmethods>) to confirm residual PAA in water post treatment (eg. test strip, titration, or another method).



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