

Up to 100%
Log Reduction

OxiDate® 2.0

Overhead Spray Program

OxiDate 2.0 as an Overhead Spray on In-Field Tomatoes, 2012

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Crop: Tomato (*Lycopersicon lycopersicum*)

Organism: Bacterial Wilt (*R. solanacearum*), Soft Rot (*Erwinia carotovora*), Bacterial Spot (*Xanthomonas vesicatoria*) and Bacterial Speck (*Pseudomonas syringae* pv. tomato)

Irrigation of tomato plants can be done through drip application with water often originating from ponds. This water is filtered to remove sand and organic matter that can clog lines. Filtered pond water can also be used for pesticide application, but previously there have been concerns that this water may contain human health and plant pathogens, discouraging the practice.

OxiDate 2.0 bactericide/fungicide is one treatment that can be used in overhead spray applications of in-field tomato treatments. In a recent study conducted by Virginia Tech, OxiDate 2.0 was tested, among others, to assess reduction in bacterial pathogen populations on tomato plants. OxiDate 2.0 proved to consistently reduce all bacterial counts to below detectable limits when used as an overhead spray.

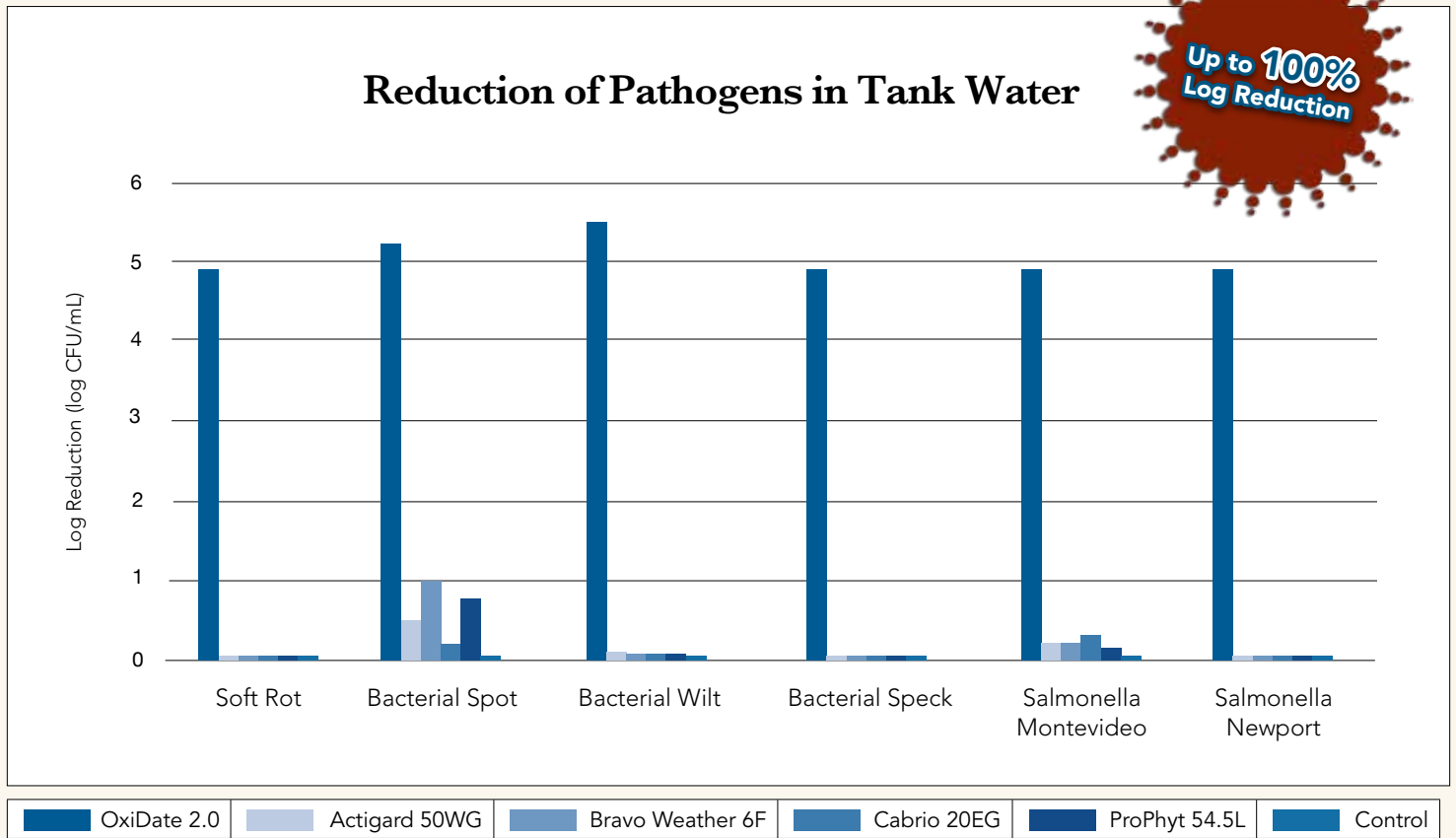


Features & Benefits

- EPA registered
- No mutational resistance
- Zero-hour REI and zero days to harvest
- No MRL restrictions
- Active ingredients: hydrogen dioxide and peroxyacetic acid
- Available in 2.5, 5, 30, 55 & 275-gallon containers

Summary and Results

Results of this study showed that, while some other treatments had a noticeable effect on pathogen population levels, only OxiDate 2.0 showed significant and consistent levels of suppression against all bacteria investigated at levels that could have practical implications.



For full results please contact BioSafe Systems.