



Get clarity and peace of mind.



WHAT IF YOU COULD REMOVE BIOFILM AND BACTERIA WHERE IT'S HARDEST TO CONTROL?

CLARIFECT™ delivers the clarity of clean water with the peace of mind of a disinfectant. A stable bromine-based water disinfectant, CLARIFECT:

- Destroys biofilms and bioslimes
- Kills 99.99% of bacteria, fungi and viruses
- Requires no premixing
- Uses standard dosing proportioner 1:128
- Is an EPA registered disinfectant with 21 potential application sites

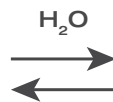
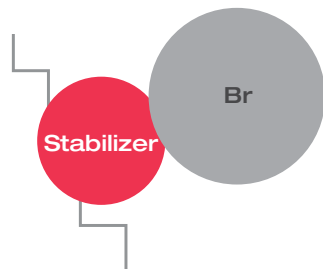
On your farm and in your hatchery, CLARIFECT has multiple key application points, including:

- Evaporative cooling cell
- Hatchery swamp coolers
- Hatchery cooling tower
- Poultry drinking water line terminal disinfection
- Fogging and misting systems in the farm and hatchery

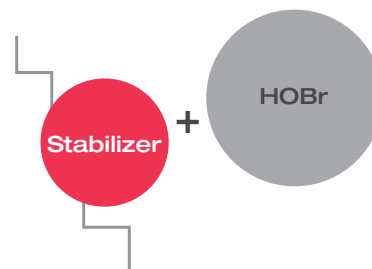
HOW DOES IT WORK?

CLARIFECT is a mixture of 80% Bromosulfamate and 20% Chlorosulfamate (sulfamate is a stabilizing agent). When water is added, hypobromine acid (HOBr) is created. HOBr is the active oxidizer that kills the bacteria and removes biofilms. The stabilizing agent gives CLARIFECT a controlled reactivity which allows for extended release of the active ingredients over time.

CONTROLLED REACTIVITY



ACTIVE OXIDIZER



REAL-WORLD APPLICATION

Hatchery hoses are frequently replaced because of biofilm and bacteria build-up. When CLARIFECT™ was injected into hoses and flushed prior to use, total plate count was significantly reduced, and pseudomonas were reduced to undetectable levels (Figure 1).

COOL CELL SYSTEMS

Cool cell systems are essential for modern environmental control houses, especially in the warmer months, increasing the prevalence of biofilms and other aerobic microorganisms and clogging the cool cell pads.

A study was conducted at three poultry houses on a commercial poultry operation in Florida to determine the effects of CLARIFECT on aerobic plate count (APC), mold and yeast in cool cell systems.

- Houses 1 and 2 were test houses, with one side treated (CLARIFECT) and the other side left untreated (Control).
- House 3 was the untreated control house.

Each treated side received a 1:128 dose of CLARIFECT (100 oz./100-gallon system).

Water samples were collected 30 minutes after one dose of CLARIFECT, showing significant reduction of APC, mold and yeast (Table 1).

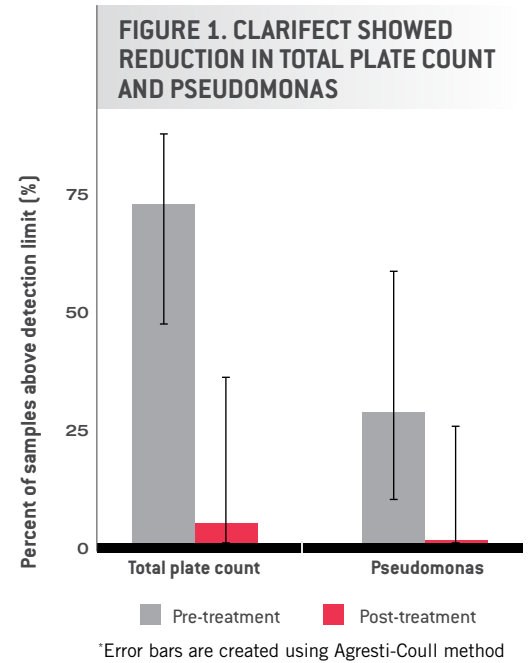


TABLE 1		CLARIFECT showed reduction of APC, mold and yeast levels		
House	Sample	APC (CFUs)	Mold (CFUs)	Yeast (CFUs)
1	Control	216,000	25	11
	CLARIFECT	13	1	<1
2	Control	105,000	105	<1
	CLARIFECT	18	<1	<1
3	Control	40,000	44	8

USE DIRECTIONS

For use in water transfer lines and clean-in-place limited disinfection of water lines. Apply the product at a dose of one (1) ounce of product per one (1) gallon of water. Rinse the system thoroughly with potable water prior to using the water transfer lines. Not for use in water lines in the State of California.



To learn more about CLARIFECT contact your nutritionist, veterinarian or ARM & HAMMER™ representative or visit AHfoodchain.com.