

# Looking After Your Stock Watering Troughs & Drums

Unless you have natural watercourses or dams placed in convenient locations around your property, you are going to be reliant on stock watering troughs and drums to maintain animal hydration.

## Horse Watering

Generally, horses would rather go thirsty than drink water contaminated by chemicals, insects, leaves, algae or manure. Smaller watering troughs or drums are a great way to monitor your horses water intake and should really only contain enough sitting water to last 3 days. Water sitting for longer intervals run the risk of stagnation and algae buildup. Horses will only drink stagnant water in cases of extreme dehydration and will never fully quench their thirst unless they like the taste of the water.

## Cattle Watering

In all eco-systems bacteria plays an important role in the breakdown and decay of organic matter that finds its way into the trough.

This organic matter can be composed of decaying vegetation, animal manure, fish excrement and decomposing animal carcasses. The decay of these components breaks down into an excess nutrient that is the food source for algae and other weeds.

Heavy seasonal rain also adds to the nutrient levels with the introduction of extra nitrogen. Algae blooms usually follow increases in temperature and/or heavy rainfall. Consider that inflow can be made up of manure, silt, fertilizers and debris runoff after rain.

## HOW BACTERIA HELPS

Trough Clean's high concentrations of specially selected beneficial bacteria, uniquely blended with amino acids and an oxygenation agent to ensure high rates of biomass growth helps to control the balance in these sensitive eco-systems.

This rapid biomass growth is what gives Trough Clean the ability to quickly digest organic solids and reduces the nutrient levels in a dam and in turn this lessens the severity of algae strikes.

Working from the bottom up, Trough Clean consumes the nutrients that algae need to survive leaving irrigation and watering dams clean and clear. Traditional algaecides merely poison the algae which then sinks to the bottom increasing the organic loading and severity of future blooms.

## A NATURAL SOLUTION

In troughs with an existing problem, the bacteria will slowly digest the nutrients from the water and out-compete the algae to the point of starvation. Once the algae has died, it will sink to the bottom to be slowly consumed by the bacteria. When the food source has been depleted the bacteria will die back to natural levels.

This eco-cycle gradually cleans out the trough of any organic matter that may be adding to the silt and sludge in the trough which reduces the water capacity. On average up to 75% of the sludge in the bottom of your trough can be organic matter. Often the reduction in sludge will negate the requirement for manual cleaning of troughs.

The reduction of decaying organic matter can also help to floc the trough by reducing the amount of suspended organic solids floating in the water and allowing the heavier silt to drop to the bottom. In most cases there would be no need for expensive and harmful chemical flocculants. Unlike some chemical solutions, bacteria does not degrade the surface of concrete, fibreglass or plastic containers. Bacteria will also strip algae from hard to reach concrete crevices and porous surfaces.

## ENVIRONMENTALLY SAFE

Trough Clean is a proven, cost-effective and environmentally safe solution for your trough cleaning. The product will not harm livestock, fish, other aquatic life, or plants with roots extending into the soil. Slowly cleans out the algae and slime to the point where no hand cleaning of the troughs should be necessary!

**DON'T CLEAN OUT TROUGH BEFORE DOSING!**

## DOSAGE

Trough Clean works best when delivered in correct doses according to the size of your water body. Trough Clean is sold in 100gm doses suitable for 200Lt troughs or 250gm doses which is perfect for larger troughs 500lt and above.

Do you have aquatic life in your water troughs?

**Dosages should be reduced to prevent oxygen depletion. Treatment will still be effective, but at a slightly slower rate. This will maintain the water quality.**

## HOW SOON WILL I SEE RESULTS?

Depending on the severity of the algae bloom or density of the sludge, you should start to see dead algae starting to clump together on the surface of the water within 3-7 days. It will look worse before it starts looking better! Once the algae and slime dies, the water will be more palatable. But, this is only the first step in the process of naturally depleting the excess nutrients from the water that is causing the problem. A soft broom can dislodge any dead matter clinging to the sides of the trough dropping decaying matter to the bottom where the bacteria is digesting the sludge. When algae starts to cling again it will be time to redose.

No need to fence off troughs while treatment occurs. Livestock can drink freely as the bacteria can act as a natural pro-biotic.

**Do not empty out water from troughs once dosed as you will lose your treatment bacteria - allow them time to work!**



See over for our products that help keep the balance in your watering trough.

**SEPTIC SCIENCE**

*Good Bacteria At Work*

[www.septicscience.com.au](http://www.septicscience.com.au)

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# WHAT TO USE IN YOUR STOCK WATERING TROUGHS & DRUMS



## Trough Clean

Trough Clean is a simple, economic and environmentally safe alternative to cleaning troughs, without chemicals that may harm thirsty livestock or the trough. Designed to biologically reduce sludge and control odour, making water clean and drinkable. Trough Clean uses selected bacillus bacteria to digest organic waste. Each strain produces multiple enzymes resulting in an extremely powerful and effective biological treatment.

### Trough Clean Small

Available in:  
4x100gm  
10x100gm  
20x100gm

Introduce 1 x 100gm soluble bag per 200Lt Trough

### Trough Clean Large

Available in:  
2x250gm  
4x250gm  
8x250gm

Introduce 1 x 250gm soluble bag per 500Lt Trough

After a couple of days, if desired, scoop out dislodged algae, sludge and waste that floats to the surface! Livestock and horses will love the new fresh tasting water!

**Maintenance Dosage:** Apply Monthly or as required

# TROUGH CLEAN

## ALGAE BUSTING FORMULA



## Controls Algae Reduces Sludge!

1 billion good bacteria per gram that multiplies EVERY 15 minutes helps maintain good health for your water storage.

## The chemical free way to maintain healthy watering troughs!

### Benefits:

- Starves algae until die-off.
- Reduces sludge volume & suspended solids.
- Controls odour.
- Makes water clean and drinkable.
- No manual cleaning required.
- No need to empty the trough to clean!
- No harm to plastic, fibreglass or concrete.

## Safe for all livestock

For smaller or shallower bodies of water try...

## POND CLEAN



Small Pond:  
4x100gm  
10x100gm

New Formula:  
4x100gm  
10x100gm  
20x100gm  
40x100gm

100gm Bag treats up to 200Lt

100gm Bag treats over 10,000Lt

For larger, deeper bodies of water try...

## DAM CLEAN



Dam Clean  
4x250gm Treats 1/4mL  
8x250gm Treats 1/2 mGL  
16x250gm Treats 1mGL  
32x250gm Treats 2mGL



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