



WATER-**SMART** PROGRAM

To Ensure Optimum Water Quality

Providing a clean water source is essential to ensure optimal animal health and the best “bottom line.” Good, clean water begins with a thorough water line sanitation program.

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Step one:

TEST YOUR WATER

Take a water sample and get your water analysed for pH level, coliforms and scale causing minerals: calcium, magnesium and manganese.

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Step two:

REMOVE BIOFILM

Before using **Proxy-Clean™** make sure there is an **adequate air release** from your water system (leave flush ends open). **Proxy-Clean™** will effectively eliminate any biofilm or slime in the system.



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Step three:

PREPARE PROXY-CLEAN

For Best results charge the water lines with **Proxy-Clean™** at these suggested levels:

Option 1 & 2 – Cleaning in between flocks

| PUMP | TIME PERIOD | LENGTH OF LINE |
|------------------|------------------|----------------|
| Fixed 1:128 (1%) | 48-72 hours | 4500' |
| Adjustable 3% | minimum 12 hours | 1500' |

Option 3 – Cleaning with animals present

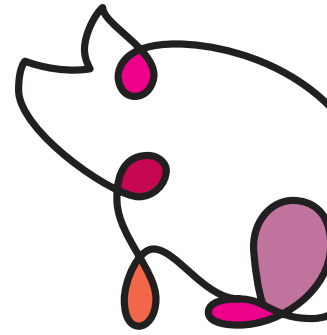
| PUMP | WATER | Proxy-Clean™ | | | |
|-------|-------|--------------|--------|--------|--------|
| | | Days 1 & 2 | 3 & 4 | 5 & 6 | 7 - 10 |
| 1:100 | 20 L | 250 ml | 350 ml | 475 ml | 600 ml |

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Step four :

CLEAN THE WATER LINES

- a) Open the water lines so they can drain completely.
- b) Begin pumping the **Proxy-Clean™** into the water lines at recommended levels
- c) Trigger each nipple drinker so that the solution saturates each nipple.
- d) Once the **Proxy-Clean™** has reached the end of the line, you will notice fizzing or bubbling. Close the tap, and leave the product in the line for the recommended period. As an alternative food colouring can be added to the **Proxy-Clean™** to help visually determine when the lines are filled.
- e) Flush the **Proxy-Clean™** from the waterlines after the holding period.



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Step five :

REMOVE MINERAL SCALING

After the lines are cleaned, **JEFACID™** water acidifier can be used to remove mineral scaling. Lower the water to a pH of 5 using a Stenner pump and let the water sit for 24 hours before again flushing.

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Step six :

KEEP THE SYSTEM CLEAN

To maximize effective bacteria kill it is suggested to use **JEFACID™** water acidifier followed by chlorine. By lowering the water pH to a 6.5 – 6.8, chlorine will be able to kill bacteria quicker with very little contact time. Chlorine levels should be no more than 5 ppm of free chlorine at the end of the line.



*Note : This procedure requires two separate pumps to ensure **JEFACID™** and chlorine are **NOT** mixed in the same stock solution.

FINAL NOTES

When administering **Proxy-Clean™** to your animals, it is a good idea to discontinue the use of chlorine, sanitizer, vaccines or other medications. Resume use of chlorine and/or other sanitizers after treatment is finished.

TOOLS

The following tools are recommended for the Jefo/Weeden WATER-SMART cleansing and maintenance program and available from Weeden Environments :

- 1) **Proxy-Clean™**
- 2) Adjustable medicator
- 3) Stenner pumping system
- 4) pH test strips or monitor
- 5) **JEFACID™** water acidification

For more information please contact :



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