



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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1st step :

TEST YOUR WATER

Take a water sample and get your water analysed for:

- water pH level
- coliforms
- scale causing minerals
(calcium, magnesium and manganese.)

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2nd step :

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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3rd step :

PREPARE **PROXY-CLEAN™**

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

Between 2 lots /with no animals

Option 1 – Medicator adjustment 1:100 or 1:128

The solution “Proxy-Clean”/Water must stay in the water lines for a minimum of **48 hours**.

Option 2 - Medicator adjustment 3:100

The solution “Proxy-Clean”/Water must stay in the water lines for a minimum of **12 hours**.

With animals present

Option 3 – Cleaning with animals present

Mix **Proxy-Clean™** with water to the following stock solution:

PUMP	WATER	Proxy-Clean™			
		Days 1 & 2	3 & 4	5 & 6	7 - 10
1:100 or 1:128	20 L	250 ml	350 ml	475 ml	600 ml

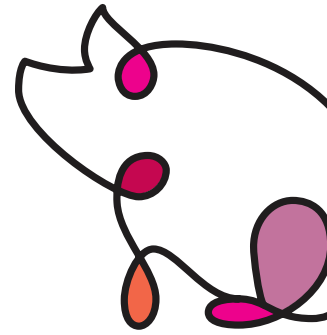
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4th step :

CLEAN THE WATER LINES

*A container of 3.8 liters of **Proxy-Clean™** cleans 1 500 feet of water lines with the medicator adjusted at 3:100, or clean 4 500 feet of water lines with with the medicator adjusted at 1:100.

- 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.
- e) Flush the **Proxy-Clean™** from the waterlines after the holding period.



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5th step :

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.

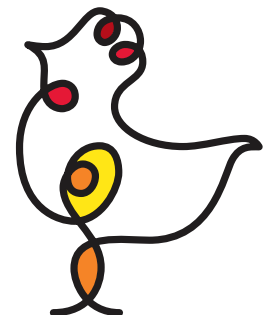
FINAL NOTES

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



**Weeden**
ENVIRONMENTS

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