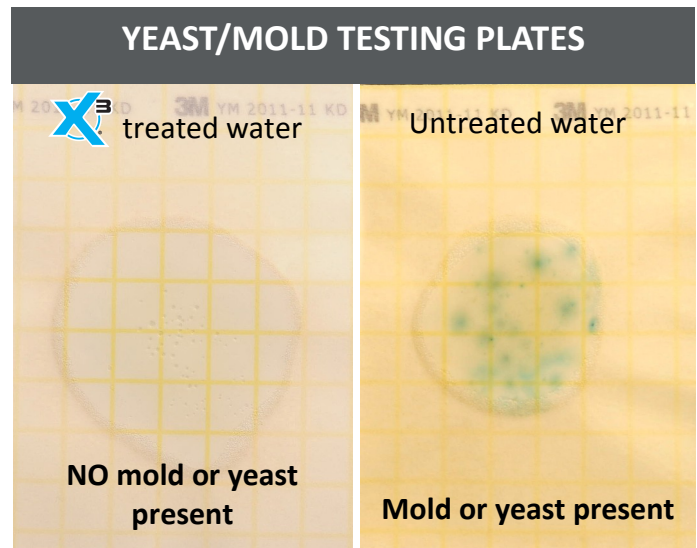
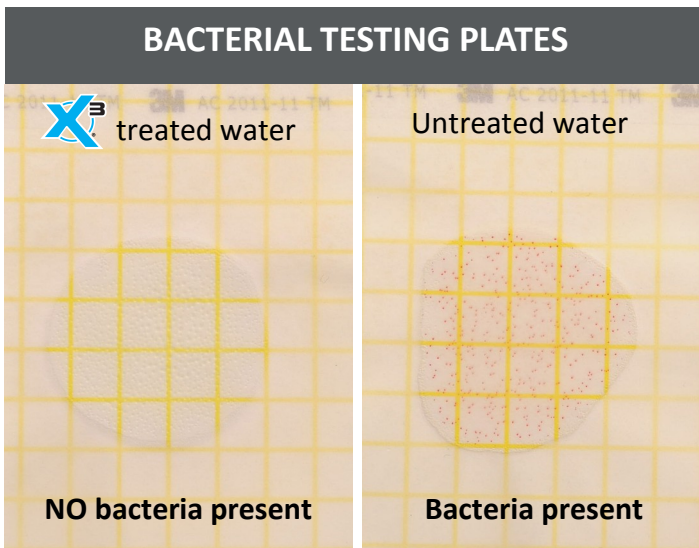


# MICROBIAL WATER TESTING



**What's in your Water?** Now, you can test your irrigation water for microbial content. Two ready to use plates will determine the presence of aerobic bacteria, yeast and mold without the hassle and cost of sending samples to a lab.



\* Protocol developed by Dustin Meador and Paul Fisher at University of Florida.

**A convenient onsite water test, valuable as an indicator of potential disease problems lurking in various areas of a greenhouse irrigation system.**

Water for greenhouse and nursery use needs to be free of plant disease causing organisms such as bacteria, fungi, viruses, nematodes, etc. Therefore, water treatment is a vital component of your greenhouse sanitation program.



Percentage (%) of mortality using X3 at 51 oz/1000 gal (1:2,500) during 5 and 30 minutes of exposure.

Pathogen	X3 51oz/1000 gal	
	5 min	30 min
<i>Erwinia carotovora</i>	32%	99%
<i>Xanthomonas campestris</i>	100%	100%
<i>Fusarium oxysporum</i>	100%	100%

Ann Chase, Chase Horticultural Research, Inc. 2009

X3 has shown excellent kill at labeled rates for water treatment applications.

*Xanthomonas* and *Fusarium* were eliminated within 5 minutes when exposed to a X3 solution.

*Erwinia* was 99% eliminated after 30 minutes of exposure to X3.

**X3 is ideal for treating all types of water that comes into your greenhouse. Get rid of algae and diseases that threaten the quality of your crops.**

PHYTON CORPORATION  
5608 International Parkway  
New Hope, MN 55428  
800.356.8733  
www.phytoncorp.com





# Concentration Testing Strips

Easy, fast and accurate!

The Test Strips Kit will help you monitor the concentration of X3 active ingredients in solution.

Be able to check ppm (parts per million) of peroxides in your spraying tank, in your irrigation system or in your stock tank.

Simply dip the test strip in the solution and a color scale will accurately provide a concentration within 5 seconds.



## RECOMMENDED RATES FOR WATER AND MIST-PROPAGATION TREATMENTS

APPLICATION	RATE (fl. oz./1000 gal)	DIRECTIONS	APPLICATION FREQUENCY	DIRECT INJECTION
<b>WATER TREATMENT</b>				
Flooded floors and benches. Recycled water systems.	51	Water contaminated with algae and other biological matter. Remove nozzle/ drippers to avoid clogging.	Continual or Periodic	1:2,500
Capillary mats.	3	To treat clean water		1:50,000
<b>MIST –PROPAGATION</b>				
Curative	26	Inject directly into misting system.	4 to 10 consecutive days	1:5,000
Preventative	5	Inject directly to misting system. At first sign of disease, decrease dilution to 1:5,000.	Continuous application throughout the propagation cycle.	1:25,000

*"I have used X3 in my operation for the past year and have never had a crop of Primrose like I did this year. X3 kept my plants free of algae and greatly reduced the presence of pseudomonas. It was also safe on open blooms when used as a spray. Using X3 has helped me reduce plant losses, produce a better plant and increased my profits."*

Jordan Hart -Harts Nursery-  
Oregon



Fill out and return form below for more information about any of our products, their applications and/or recommended rates, as well as our new testing kits.

Your Name: \_\_\_\_\_ Greenhouse/Nursery Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Contact number: \_\_\_\_\_ E-mail address: \_\_\_\_\_

Your local distributor (s): \_\_\_\_\_

More information about:  X3  Microbial Water testing kit  Concentration Testing Strips  Phyton-27

PHYTON CORPORATION  
5608 International Parkway  
New Hope, MN 55428  
800.356.8733  
www.phytoncorp.com

