



DISEASE CONTROL



Arbor-OTC™

SYSTEMIC INJECTABLE ANTIBIOTIC

Arbor-OTC™ is a systemic water soluble injectable antibiotic for the annual suppression of bacterial diseases in non-food bearing palms including Phytoplasma Disease (Lethal Yellowing and Texas Phoenix Palm Decline). It can also be used for the control of bacterial diseases in non-food bearing trees including Bacterial Leaf Scorch.

Ingredients:

| | |
|--------------------------------|---------|
| Oxytetracycline Hydrochloride* | 39.60% |
| Other Ingredients | 60.40% |
| Total | 100.00% |

* Equivalent to 36.7% oxytetracycline

Arbor-OTC™ can be used to treat the following bacterial diseases:

Ash Yellows, Bacterial Blast, Bacterial Blight, Bacterial Canker, **Bacterial Leaf Scorch**, Blossom Blast, Blossom Blight and Canker, Bunch Disease, **Crown Gall**, Decline, **Fire Blight**, Fruit Spot, Leaf and Shoot Blight, Leaf Blight and Brown Rot, Leaf Spot, Lethal Decline, Phloem Necrosis, Phytoplasma Disease (**Lethal Yellows** and **Texas Phoenix Palm Decline**), Stem Canker, Stubborn Disease, Tip Dieback, Vascular Yellows, Wetwood/Slime Flux, Witches' Broom (caused by mycoplasma-like organisms), and X-Disease



BACTERIAL LEAF SCORCH



FIRE BLIGHT



TEXAS PHOENIX PALM DECLINE



LETHAL YELLOWS



CROWN GALL

Photo Citations:

Bacterial Leaf Scorch: Edward L. Barnard, Florida Department of Agriculture and Consumer Services, Bugwood.org, **Fire Blight:** William Jacobi, Colorado State University, Bugwood.org, **Texas Phoenix Palm Decline:** Monica Elliott, A Resource for Pests and Diseases of Cultivated Palms – Symptoms of Diseases and Disorders, USDA-APHIS Identification Technology Program (ITP) and University of Florida, **Palm Lethal Yellows:** Monica Elliott, A Resource for Pests and Diseases of Cultivated Palms – Symptoms of Diseases and Disorders, USDA-APHIS Identification Technology Program (ITP) and University of Florida, **Crown Gall:** William Jacobi, Colorado State University, Bugwood.org

ARBORjet®
Revolutionary Plant Health Solutions



AVAILABLE IN TWO SIZES

1 Oz. (28 Gram)

040-7500

Perfect for treating a few trees or palms in the same day. The 1 oz. container makes enough Arbor-OTC to treat 10 trees or palms at 10" DBH. This container allows the user to fill it directly with water, shake, and pour into the injection equipment.

Contractor Price: \$140

5 Oz. (140 Gram)

040-7505

Great value for the serious Arbor-OTC user. The 5 oz. container makes enough Arbor-OTC to treat 50 trees or palms at 10" DBH. This container comes with a 5 gram scoop to dose out the proper volume to mix with water.

Contractor Price: \$625

Research Results

Arbor-OTC significantly reduced the length of necrosis found on shoots from apple shoot fire blight.

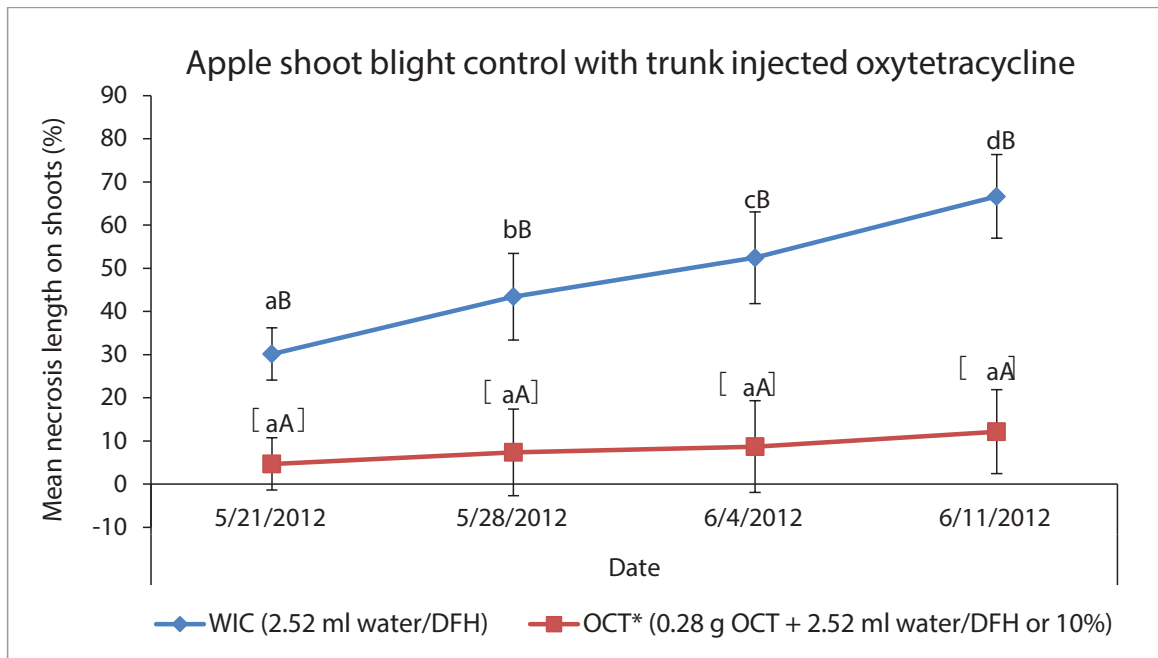


Figure 1.

Means followed with the same upper case letter between treatments within one date are also not significantly different ($p \geq 0.05$).

Legend

*OCT: oxytetracycline hydrochloride 39.6% (Arbor-OTC)

WIC: water injected control. Error bars represent standard errors of the least square means.

References:

Acimovic, et. al.: Oxytetracycline trunk injection in control of apple shoot fire blight (*Erwinia amylovora*) 2012, Plant Bacteriology and Tree Fruit Pathology Laboratory, Michigan State University.

Kostka, et. al.: Suppression of Bacterial Leaf Scorch Symptoms in American Elm Through Oxytetracycline Microinjection, *Journal of Arboriculture* 11(2): February 1985, pp 54-58.