

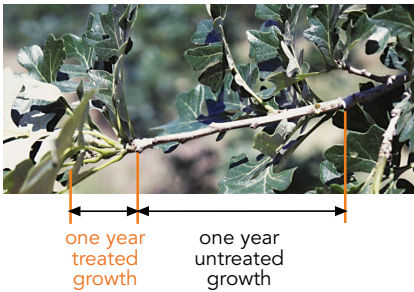
# Cambistat®

## Greener, Healthier, Lower Maintenance Trees

### Slowing Growth

Cambistat slows tree growth by reducing the levels of growth hormone produced by the tree. Species differ in sensitivity to Cambistat, but vegetative growth is generally reduced by 40-60% over a three-year period from one treatment. Growth reduction within the first year of treatment may not be as noticeable as in subsequent years.

*Cambistat® reduces tree growth 40%-60% over a three year period*



### Maintaining Tree Health with Cambistat

Research shows that Cambistat gently slows the growth of trees, allowing the tree to redirect some of its energy from canopy growth to defense chemicals, fibrous root production, and other uses. The resulting benefit of the reallocation of energy makes your tree healthier and more durable.



1989 treated



1994

Red oak leaves shown at the end of third growing season after treatment.



Electron microscope photos of treated and untreated oak leaves.courtesy of Qi, Knighten and Chaney

You will see greener leaves, less disease injury and your trees will be better able to withstand enviromental stresses.

- Cambistat makes trees significantly tougher in response to some opportunistic insects and disease. **Cambistat thickens the protective barrier of the leaf and increases production of defense chemicals.**
- Drought is a major cause of tree death and decline in the urban landscape. **Research shows Cambistat increases drought resistance by helping the tree to decrease water losses during dry, hot periods.**
- Cambistat increases fine root density. **Higher root density increases a tree's ability to absorb minerals and water, increasing the tree's ability to produce energy and survive stressful situations.**

### Some Uses for Cambistat

- trees too close to houses
- manicured trees
- trees near pools, decks, patios and sidewalks
- blocked scenic views
- regularly pruned trees
- construction injured trees
- declining and older trees
- trees stressed by disease, insects, or drought
- large trees growing in limited space

### How long does it last?

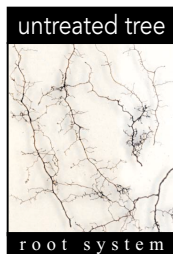
You will receive three years of benefits from one treatment of Cambistat. To maintain size you should re-treat every three years. In southern states re-treatment may be needed sooner.

### Research:

The active ingredient in Cambistat has been widely researched and proven effective by major universities. For detailed research information ask your arborist or go to [www.rainbowscivance.com](http://www.rainbowscivance.com).

### Will it affect my bedding plants or grass?

Grass, plants and shrubs at the base of the tree may show signs of slow or stunted growth. These effects are often subtle and should result in no permanent damage. To prevent unwanted regulation remove all non-targeted plants 2 feet beyond treatment area.



Information and photo's from

Watson, G.W. 1996. Tree Root System Enhancement with Paclobotrazol. J. Arboriculture 22:211-217.

