

# GreenSmart

## a newsletter for arborists

### PROVIDE A NEW SERVICE: Controlling the Growth of Woody Shrubs & Trees



Control the growth of shrubs from the simple landscape of a homeowner to the extravagant display as seen above.

**ShortStop®** Plant Growth Regulator for Trees can effectively slow the growth of woody shrubs and add other benefits such as enhanced root hair development and flourishing inner growth to the shrubs. One example of TGR use for woody shrubs is treating overlarge Yews and Junipers which have been given “new life” after major trimming when paired with a TGR application.

Another example is the reduced need for trimming of Viburnums and other fast growing shrubs planted in commercial/industrial areas and apartment/condo complexes. Arborists and Landscape Maintenance companies

can decrease time on pruning and begin enlarging their client base or expanding the services offered to their present clients.

Here is a list of *some* shrubs that are effectively controlled with a TGR application; Viburnums, Burning Bush, Boxwood,

and Juniper. The complete list of shrubs and their rates for application volumes can be found on the rate charts Series #1 and #2 of “Woody Shrub Rates for Growth

Regulation with **ShortStop®**.” The application instructions and specific rates are very clear and easy to follow. To get more information and/or the rate charts, see your distributor for **ShortStop®** TGR or call #(877) 902-7467.

*Conditions when an arborist will want to use a growth regulator on woody shrubs:*

- Crowded/limited landscape
- Commercial management of landscape
- Older shrubs needing pruning
- Snow damaged Yews/Junipers
- Woody shrubs not watered regularly
- Sculptured or shaped shrubs
- Shrubs alongside a sidewalk
- Fast growing Shrubs (i.e.: Viburnum)

## ShortStop®

### TGR

everything you've come to expect from a TGR and more

- 22.3% active ingredient; *Paclobutrazol*
- much lower price
- higher percent purity of active ingredient
- same growth control & benefits
- less residue & better distribution
- better application rates
- more refined & uniform

### Is the Application for Shrubs the Same as for Trees?

Determining the amount of **ShortStop®** Tree Growth Regulator to use on woody shrubs is different compared to trees. The process requires the specific type for both shrub or tree but the dbh is not measured; instead the total volume (size) in feet is considered. Total shrub volume is calculated using the length, width, and height of the crown *only*, do not include the trunk of stems.  $V = L \times W \times H$

The applicator uses the total volume and shrub type to find the amount of TGR needed from the woody shrub chart Series #1 or #2. Series #1 rates include Arborvitae, Burning Bush, Juniper, Ornamental Lilac, Viburnum & Yew. Series #2 rates include Barberry, Boxwood & Forsythia. Woody Shrub #3 rates will be in print by mid-2009.

The length of control for most woody shrubs is about 1.5-3 years, depending on growing season; the longer the growing season, the shorter the length of control. Application timing is the same for trees or shrubs, it can be done anytime except while the ground is frozen or has standing water. The type of application is the same as with trees also, basal drench or soil injection. The important thing to remember is even distribution in and around the base of the woody shrub.



Short Probe attachment with flow meter accuracy makes shrub applications easier.

*For more information or to order ShortStop® Plant Growth Regulator for Trees, please contact:*

Plant Growth Management Systems  
Toll free #877-902-7467 pgms@earthlink.net  
© plant growth management systems 2003-2011