

# GreenSmart

## a newsletter for arborists

### “To Apply or Not to Apply, that is the Question...”



#### For the Arborist:

“When is a good time to make Tree Growth Regulator applications - *Almost Anytime*. If the soil is *very wet* or is *frozen*, do not apply a Tree Growth Regulator.”

- Mark Mann, CEO -PGMS

When is a good time to make Tree Growth Regulator applications? The answer is “Almost Anytime!” TGR application is a service that is not restricted by a particular season or time of year. The few exceptions to when an arborist should apply ShortStop® Plant Growth Regulator for Trees is when the soil is very wet (super-saturated) or when the soil is frozen within the top 4-8 inches. Both these conditions do not allow the product to enter the soil around the base of the tree effectively.

Tree Growth Regulator applications can be made when snow is covering the ground. Snow cover does not necessarily mean that the ground is frozen. In fact, snow can act as an insulator from the colder air above, keeping the temperature above freezing in the top 8” of soil.

Another situation where an arborist may decide not to apply TGRs is the time period just before a potentially heavy rainfall. A general rule of thumb is to apply the product no less than 2 hours before the expected rain. It is not wise to apply TGRs using basal or soil drench to

a tree located on a slope greater than 30 degrees. The potential of the TGR to move downhill and away from the application site is very high.

Although there are a few exceptions to when TGRs can be applied; ShortStop® allows a full range of opportunities for application time and is a service that can be done almost anytime of the year, including during the slower parts of the year.

#### Types of Applications for TGRs



Soil Injection is a fast and effective way to apply TGRs

Basal or Soil Drench is a cost effective way to apply TGRs



## ShortStop®

### TGR

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

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

## How Long will the Application Last?

The length of time between re-applications of ShortStop® TGR to a tree is determined by the following four (4) factors:

- 1.) What month the application was completed
- 2.) What year the application was completed
- 3.) The length of the growing season in the area of the application site  
Ex: southern states - longer growing seasons— shorter length of time
- 4.) The purpose or intended outcome of the TGR application  
Ex: tree crown control versus root hair growth enhancement

The growth control is generally expected to last a *minimum* of three (3) growing seasons, but the above mentioned factors play a role in deciding when to re-apply. Call PGMS for further explanation about timing on re-application at our toll free #877-902-7467.

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

Plant Growth Management Systems  
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