

# The Feeder Tube by **Mauget**

July 2006

## Fertilizer Feedback !

It has been over a year since the J.J. Mauget Company introduced its newest fertilizer **Vigor 53**. We are very interested in hearing from our applicators throughout the country as to their experience with this product. Please send your responses to [www.mauget.com](http://www.mauget.com).

## RESEARCH & DEVELOPMENT

Mauget Research: Arnold Farran, Don Diamond, and Charlie Dodds

Mauget's Anthracnose trials on sycamores in San Diego, California will soon be coming to a close with final data being taken early this season. This has been a 2 year study involving 160 trees testing established materials along with new additions to the Mauget product line. Final report will be available afterwards.

There are also currently two Apple Scab studies in process as well. Materials being tested include Tebuject, Tebuject 16, and Arborfos. The studies are located in Massachusetts, and Ohio and disease rating will be taken in June.

## GEN II 3 STEP FEATURING VERSA-LOCK GAINS ACCEPTANCE

With the Gen II 3 Step featuring "VERSA-LOCK" locking system, business across the country is very healthy with first half results showing a 25% increase in sales. All products being produced feature this newest innovation in the evolution of the Gen II delivery system. Applicators & distributors across the country are reporting that the VersaLock enhancement dramatically improves the Gen II performance.



## ERYTHRINA GALL WASP INFESTATION IN GUAM

Landscape Management Services, "LMS" had 12 of their members trained on the proper use of Mauget's products in May to combat Erythrina gall wasp recently introduced to the island of Guam. Imicide will be the focus product application to protect against this pest as well as protection against whitefly in Plumaria, scale on cycads and leaf feeding beetles in Palms.



Plumaria being treated for whitefly at a prestigious resort on Guam by LMS employees



Infested Erythrina with Gall wasp on Guam

At a Pest management symposium hosted by UAP in Pearl City, HI, Dr. Arnold Hara provided updated information to his work examining control strategies for Erythrina Gall Wasp and evidence showed that Imicide provided 4+ months control. Added to his trials was Arborsystems Pointer which showed disappointing results

## APPLICATOR'S CORNER

believed to be due primarily to the low AI. See his report on Maugets website [www.mauget.com](http://www.mauget.com).

In the first months using the manometer, I found that there is a big difference between the same tree on given days in regard to uptake. The meter measures negative and positive pressures. Negative pressure means conditions are favorable for uptake. I have found that the gustier the day, the higher the negative pressure.

One benefit of the manometer is that it can be used to determine whether uptake is possible after heavy rainfall such as areas of New England received this spring (up to 10-12 inches in a few days). Certain varieties of trees have such strong positive pressure after heavy rainfall that they are impossible to inject. This meter allows you to identify those trees.

As we go through the season, I expect that the meter will tell us when trees shut down due to unfavorable conditions, such as hot, dry days when they are no longer transpiring. Thus, I expect to rely on the manometer to determine when it is possible to inject trees with successful uptake.

John T. Moran - President - Arbor Care Inc.

## Calendar of Events:

### PAPA Seminars

July 19, 2006  
San Jose, CA.  
July 26, 2006  
Fairfield, CA.

### Target Seminars

July 25, 2006  
San Jose, CA.  
July 27, 2006  
Sacramento, CA.

### ISA 2006 Annual Conference and Tradeshow

July 31- August 1, 2006  
Minneapolis, MN.

### Nursery/Landscape Expo

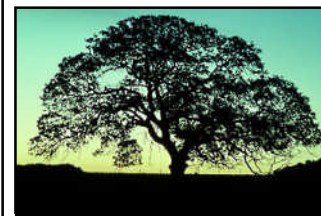
August 18- 20, 2006  
San Antonio, TX.

### Farwest Show

August 24- 26, 2006  
Portland, OR.

### 2006 SMA Annual Conference

October 1-4, 2006  
Ashville, N.C.



For in the true nature of things, if we rightly consider, every green tree is far more glorious than if it were made of gold and silver.

~Martin Luther

## Presidential Elm Topples



On June 26th, a 100 year old Elm tree at the White House crashed to the ground due to heavy storms and flooding. The tree, thought to have been planted around the time Teddy Roosevelt remodeled the White House in 1902, can be seen on the back of the twenty dollar bill located on the right hand side of the picture.

## SPRING FLOODING...

As the past year has reminded us, one of Mother Nature's most destructive forces is the flood and trees are no more immune to their devastation than the rest of us. Recently, many parts of the country have experienced severe spring flooding leaving trees sitting in soil heavily saturated with water. Like any living thing that can not swim, many of these trees will drown due the lack of free oxygen.

One of the first symptoms of a drowned tree is usually a change in the foliage. Low oxygen levels in the tree will cause a decrease in chlorophyll. The resulting yellowing of the leaves is known as Chlorosis. Chlorosis can often be mistaken for a disease.

When going out to inspect trees, it might be wise to ask the customer if the tree(s) were exposed to flood conditions. It doesn't take very long for trees to drown. Trees that have been in flood condition for several days are prone to toppling due to root loss from wet soil and these trees experience higher incidence of root or collar rot.

When a tree's system is oversaturated with water due to flooding, making an application will be extremely difficult as very little transpiration is taking place. Trees in flooded areas should also be inspected for hazards and structural integrity of the root system.

## Ask Ann:

By Ann Hope



Q: How can I reduce cracking on my Adler trees?

A. Try using a smaller feeder tube. Mauget offers a variety of feeder tube sizes for different circumstances. The standard feeder tube which comes with every quarter flat is 2 3/4" but you can also get a larger tube size of 4 1/2" for such trees as palms and conifers or one of the smaller tubes of 1 1/4" or 1 3/4" for use on trees with thin bark or woody shrubs. Smaller feeder tubes such as these will help minimize cracking in the bark. Check with your local distributor to special order any of these sizes.

Ann Hope is Mauget's Technical Support Representative for Southern California. She has nine years of industry experience in a variety of areas including weed control, ornamental trees and rodent control. Please email any questions to Ann at: [ann@mauget.com](mailto:ann@mauget.com)



## DUTCH ELM DISEASE RESEARCH... By Jim Rollins

At Mauget, we are always interested in learning more about controlling the insect, disease and fertility problems which affect our trees. This year, we are focusing some of our research and development efforts on controlling the Dutch Elm disease.

Mauget is conducting an extensive research project in Arlington Heights Illinois, a suburb of Chicago. In recent years, the city of Arlington Heights has lost a significant number of their large American Elm street trees due to the Dutch elm disease. In early May, distributor Millard Dailey of Liquigreen, Rick Gruber of Sandy's Lawn Care, and Jim Rollins - Midwest Mauget sales representative along with several employees from the city of Arlington Heights, injected 72 large American elm trees with over 1450 Mauget capsules of fungicide.

These treatments included currently labeled treatments of ArborFos, Tebuject and Fungisol which we know have actively worked against the Dutch Elm disease pathogen. Also included in the project are some new experimental fungicides that show promise. The study also compares some of these products at two different rates. The trees that are a part of this study will be closely monitored during the summer for the presence of Dutch elm disease.

The results of this study will be made available to tree care professionals to help them develop effective Dutch Elm management programs.

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The Feeder Tube is a quarterly newsletter published by the J.J. Mauget Co. Its goal is to provide information on what is new and what is "news" with Mauget and the tree care industry.

## The Rebirth of the American Chestnut

The recent discovery of healthy American Chestnut trees growing naturally in preserves has given hope that the once common trees can be restored to the landscape. Sadly, the American Chestnut fell victim to blight accidentally imported from Asia in the early 1900's and for more than 50 years has been all but wiped out.

But in recent months, healthy trees have been found to be thriving and blight free. In Alabama's Talladega National Forest, the largest known living American Chestnut tree was discovered with the 85 foot tall behemoth somehow having avoided the effects of the blight. Some experts theorize that a passed down trait might be protecting the tree while others believe it has simply not been exposed to the fungus.

Members of the Chestnut Foundation hope to gather pollen from this tree as well as others discovered in New Hampshire in hopes of producing fungus resistant offspring from the rare specimens. They aim to cross-breed the American Chestnut with disease-resistant varieties in hopes of repopulation.

