



# The Feeder Tube

by  Mauget®

MAY 2012

## BARK BEETLE TRIALS



Mauget has supported field trials of Abacide®2 Hp (abamectin) for the control of Ips engraver beetles on loblolly pine in Texas, conducted by the Texas Forest Service. Applications of Abacide®2 Hp were made using a higher pressure syringe system at 30+ psi. The 2008-9 Ips trial evaluated the duration for two rates of Abacide®2. Applications were made in both spring (3 months before baiting) and fall (9 months before baiting).

Both rates of Abacide®2 Hp were highly and equally effective in preventing the successful colonization by Ips engraver beetles 5, 10 and 16 months after injection. The 2009-10 Ips trial at lower rates Abacide®2 Hp was highly effective in preventing the successful attack as well. More to come!

## ArborFos®: Not Just Another Fungicide

ArborFos® is a combination of mono- and di-potassium salts of Phosphorous acid and breaks down into "phosphite" with free potassium (K). Don't confuse "phosphite" with the nutrient 'phosphate' as the later is obtained from phosphoric acid and contributes elemental P for many plant functions.

These phosphorous acid materials must be neutralized with a metallic salt, in this instance potassium hydroxide, in order to make it compatible with plant materials. The added benefit of ArborFos® is the additional potassium available within the plant. Many have noticed thicker foliage after using ArborFos®, as potassium is a building block for thicker cell walls, so in this instance foliage will develop thicker cuticles at the leaf surface.

Others have postulated that potassium in ArborFos® aids in compartmentalization from wounding, such as with phloem cankers like SOD or Botryosphaeria canker of Madrone---Thousand Canker of Black Walnut? No University data has been published on this feature but anecdotal field evidence points to this possibility. As a result of these additional properties it is suggested applicators consider using ArborFos® for other localized dieback or canker fungi such as Seiridium canker of cypress, beech bark disease (in combination with scale insecticide), pitch canker of pine, and preventive treatments of wood decay fungi. Label amendments are in the works.

## Out with the old In with the new...

Mycoject® Ultra has been registered in most states at this point! Check with your local distributor to see if it is available in your area!

Please note that regular Mycoject® and Inject-A-Cide®(MSR) have been discontinued. Registrations for these products has been discontinued as well so they can not be sold or in trade channels past the end of 2012.

## NOTES FROM THE FIELD WESTERN TERRITORY REPORT

Spring definitely came early in the southerly latitudes of the western region. First quarter business was ahead of last year with many Distributors and applicators encouraged by a renewed business climate. Hopefully a byproduct of this year's election process will be more efforts to bring the economy along.

California has seen a 200% increase in the use of our new Liquid Loadable line of pesticides such as Imicide® Hp and Abacide®2 Hp. Customers that want more flexibility in the field have chosen to use other injection devices and paired them with Mauget chemistry because they are ready-to-use and economical. Yet some regions are definitely capsule loyal and quite happy with this simple, unique method of application.

ArborFos® continues to impress our applicators with additional disease suppression and renewed vigor. This product also allows applicators to extend services into the late summer and fall time when labor demands are less.

## MARKETING/PRODUCTION REPORT MAY 2012

With the early spring in the Eastern and Great Lakes regions we have been in high gear about a month earlier than usual and there is no let up in site. Production while a bit taxed has managed to ship all orders within a day or two of receipt.

Liquid Loadable formulations of Imicide® HP, ArborFos® HP, Abacide®2 HP, Stemix® Plus, Inject-A-Min® HP and Mycoject® Ultra HP are all having good demand by our plant care professionals. Mycoject® Ultra is seeing exponential increases in demand.

Arborfos® will be seeing an expanded label to include a number of vascular pathogens which are being reported by research and the field as being controlled or suppressed with this evolving product.

It is being reported in California that fireblight (*Erwinia*) symptoms are being reduced 80-90% as compared to non treated plants in the area with early spring applications of Mycoject® Ultra.

We thank our distribution partners and their clients for the great support we have received this season. Let us know how we can improve our support of you.



## SAVING TOOMER'S OAKS

At Cortese Tree Service, there is no mistaking where loyalties lie. "UT should beat Auburn every opportunity it can and beat Alabama every opportunity it can," said Owner Jim Cortese. This week, though, he waded into foreign territory. "I was called by the folks at Auburn and asked if I could assist them in another phase of trying to preserve those trees," he said.

"Those trees" are the storied oaks at Toomer's Corner. The 130 year old trees mark a gathering spot before games, a place to celebrate big wins, and the site where herbicides now threaten their survival. An Alabama fan is accused of poisoning the trees following the 2010 Iron Bowl. But thanks to Cortese, a University of Tennessee alum, there is reason to be optimistic. "Just like going to the doctor and getting a shot, you can infuse things into trees," he said.

Cortese and his team traveled to Auburn Monday and injected a combination of sugars into the trees. "What the sugar solution is to do, is to try and put carbohydrates and sugars back into the tree's system, bypassing the root system, so that tree can continue to flush leaves," he said. "It's a war of attrition here, and if the tree can outlast the herbicide, then it can survive."

For decades they have injected trees with fungicides. This marks the first time they have used sugar. So far, things look good. "I'm not ready to say the trees are going to live, but we are encouraged by what we're seeing," Gary Keever, leader of the Tree Task Force told WTVM-TV. "The longer we can go without seeing the herbicide symptoms reappear, the better off we are."

It's a hopeful prognosis, and a true example of the volunteer spirit. "Those trees are historic trees for the community, they're historic trees for Auburn," Cortese said. "It's for those reasons that we volunteered our time to go down there." Cortese said the plan is to let the trees grow for a month or two, before deciding if additional injections are needed.

### Ask Ann:

By Ann Hope

#### Q. How do I get certified to apply Mauget's Products?



A. During the winter months there are several Mauget seminars around the country where you can become certified. Visit our website at [www.mauget.com](http://www.mauget.com) for a list of the current seminars scheduled. If you are unable to attend, you can also purchase our Self Study Course on the website or through your local distributor. For more information about the Self Study Course call our Technical Support line at: (800) TREE-Rx. Ann Hope is Mauget's Technical Support Representative for Southern California. Please email any questions to Ann at: [ann@mauget.com](mailto:ann@mauget.com)

### Notes from the Field

## Midwest and Northeast

Throughout most of the Midwest and Northeast, this winter has had above normal temperatures and below normal snowfall. This unusual weather has lead to much speculation as to what affect it will have on our trees. Most agree that we are likely to experience an earlier than normal emergence and development of insects. This is because insects are cold-blooded animals and temperature plays a critical role in their development. At given temperatures, insect's development rates vary and may be predicted by comparing the degree-day requirements of an insect to the actual degree days. This earlier than normal insect development can result in an additional generation of some insects due to the length of season.

This winter we have also not had the prolonged, extremely cold temperatures that can reduce insect populations. As a result, greater numbers of insects are likely to be present. Due to the warmer weather, we can expect to see earlier than normal disease pressure. Arborists that I have talked to report plants are three to four weeks ahead of what is considered normal. As you finalize your plant health care programs for the 2012 season, it would be wise to monitor the actual degree days in your area and schedule the timing of your applications accordingly.

Spring is an ideal time to microinject trees with either Stemix® Plus or Vigor 53® to help them recover from a variety of stress related conditions.

Spring is also an excellent time to microinject trees with Mauget Inject-a-Min®, micronutrient products. When injecting micronutrients in the spring you will notice an improvement in the trees appearance much quicker than if trees are injected in mid summer or fall. Micronutrient deficiencies are a common problem in several species of popular landscape trees including Pin Oak, Red Maple, Sweet Gum, Birch and others. Bypassing the soil with Mauget microinjection is an effective way of dealing with this problem.

### Check Locally First...

Before calling Mauget Technical Support for help with an infested/infected tree, you may first want to contact your local distributor, regional sales representative, or extension / farm advisor to view the tree in person and determine a proper diagnosis. They will most likely be more familiar with the pests and diseases that are specific to your region and will be able to better pinpoint the exact problem. Once, you know what is wrong, Mauget Technical Support will be happy to assist you in determining the best Mauget product for the situation.



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suggestions or topics you would  
like to see in future issues



Liter Round-Bottom Bottles



Capsules



Liter Bottles

## We're Not Just Capsules Anymore

**Whichever method you prefer, inject the best.** Mycoject Ultra Hp, Imicide Hp, Abacide 2 Hp, Inject-a-Min Manganese, Inject-a-Min Iron and Zinc, Stemix Plus, and Arborfos Hp. Ready-to-use and concentrated for lower-pressure injection in 1 L bottles. Round-bottom bottles are available upon request. Combine 50+ years of successful tree science with what you know is best – for your trees and your business.

Call 800-TREES Rx (800-873-3779) or log on to [www.mauget.com](http://www.mauget.com) to find out more about Mauget microinjection.

**Mauget. The Right Way to Treat a Tree.**



*Proven chemistry for ALL injection systems*