



A.M. LEONARD
HORTICULTURAL TOOL & SUPPLY CO.



THE RIGHT WAY TO TREAT A TREE

JJ Mauget Product Guide – Micro Injection Tree Care

Insecticide

<p>Dinocide™</p>	<p>The first dinotefuran insecticide available for tree injection. Its active ingredients are translaminar and able to move from tree's xylem to its phloem, making Dinocide effective against pests such as longhorned borers. Works in as little as three days. Can be applied with other insecticides and fungicides. Provides season-long insect control with fast results.</p>	<p>Adelgids, Aphids, Black Vine Weevil (adult), Bronze Birch Borer, Cottonwood Longhorned Borer, Douglas-Fir Cone Gall Midge, Douglas-Fir Cone Moth (larvae), Elm Leaf beetle, Eucalyptus Longhorned Borer, Flatheaded Borer (Alder Borer, Birch borer; excludes Emerald Ash Borer), Japanese Beetle, Lace Bugs, Leafhoppers, Leafminers, Mealybugs, Pine Tip moth (larvae), Psyllids (including lerp psyllid), royal palm bugs, Scale insects (armored and soft, including Asian Cycad Scale), Spruce budworm, Thrips, Whiteflies</p>	<p>Dinotefuran 12%</p>	<p>212QMJ – 24, 2mL Capsules 213QMJ – 24, 3mL Capsules 213QMJ – 24, 4mL Capsules</p>	<p>\$144.99 \$169.99 \$195.99</p>
<p>Abacide 2™</p>	<p>Abamectin concentrate; Can be used on commercial or residential landscapes, interior and exterior plantings. Spring or summer applications are recommended and can be made prior to pest appearance or after. A single application lasts one growing season, unless severe pressure, then two applications may be necessary.</p>	<p>Aphids, Eastern Tent Caterpillar, Elm leaf beetle, fall web worm, leaf miners, lepidoptera insects, pine nematode, spider mites, sycamore lace bug, thrips, whiteflies</p>	<p>Abamectin B1 1.9%</p>	<p>512QMJ – 2mL 513QMJ – 3mL 514QMJ – 4mL 520QMJ – 5mL 521QMJ – 7.5mL Pack of 24 capsules</p>	<p>\$138.99 \$147.99 \$155.99 \$165.99 \$185.99</p>
<p>Imicide™</p>	<p>Since 2000, the USDA lists Imicide as the only trunk injection product in their APHIS Emergency and Domestic Program for control of the Asian Longhorned Beetle. Research shows that imicide is one of the most effective preventative and control treatments for the emerald ash borer.</p>	<p>Adelgids, Aphids, Asian cycad Scale, Black Vine Weevil larvae, Bronze Birch Borer, Cottonwood Longhorned Borer, Douglas Fir Gall Midge, Douglas Fir Cone Moth Larvae, Elm Leaf Beetle, Emerald Ash Borer, Eucalyptus Longhorned Borer, Eucalyptus Redgum Lerp Psyllid, Flathead Borers, Gall Wasps, Japanese Beetle, Lacebugs, Leafhoppers, Leafminers, Mealybugs, Pine Tip Moth Larvae, Psyllids, Red Palm Mite, Royal Palm Bugs, Scale Insects, Thrips, Whiteflies</p>	<p>Imidacloprid 10%</p>	<p>202QMJ – 24, 2mL Capsules 203QMJ – 24, 3mL Capsules 204QMJ – 24, 4mL Capsules</p>	<p>\$129.99 \$144.99 \$154.99</p>

Fungicide

ArborFos™	<p>Mauget's Tree Injection ArborFos is a phosphite formulated fungicide that inhibits fungal growth through stimulation of the plant's own natural defense systems. Its mode of action is not completely understood but researchers indicate that it may elicit a type of Systemic Acquired Resistance response. Although it imparts no actual phosphorous nutrition, trees tend to develop healthier leaves, roots and stems.</p>	<p>Anthracnose, Apple Scab, Armillaria Root Rot, Bacterial Blight, Bacterial Leaf Scorch, Crab Apple Scab, Fire Blight, Phytophthora Cactorum, Phytophthora Cinnamomi, Phytophthora Palmivora, Phytophthora Ramora, Phytophthora Spp</p>	<p>Phosphorous acid 45.8%</p>	<p>511QMJ – 24, 7.5mL Capsules</p> <p>519QMJ – 24, 5mL Capsules</p>	<p>\$129.99</p> <p>\$125.99</p>
Fungisol™	<p>Fungisol is a proprietary fungicide that has been developed by the JJ Mauget Co. for tree micro-injection use. Fungisol is effective on more than 30 diseases; Fungisol has demonstrated activity on soil borne wilt pathogens not effectively controlled with traditional fungicide drenches.</p>	<p>Alder Ceratocystis Canker, Anthracnose, Arborvitae Branch Canker, Birch Melanconium, Dieback, Botryodiplodia, Botryosphaeria Branch Canker, Cedar Branch Canker, Cedar Coryneum Blight, Coryneum Blight, Coryneum Canker, Cypress Cedar Branch Canker, Diplodia Tip Blight, Dutch Elm Disease, Elm DieBack, Vermicularia , Elm Wilt, Fusarium moniliforme, Fusarium Wilt, KabatinaOak Decline Complex, Oak Wilt, Palm Bud Rot, Penicillium, Phomopsis, Physalospora Bleeding Canker, Pine Atropellis Canker, Pine Pitch Canker, Pine Pitch Girdle, Pink Bud Rot, Redwood Branch Canker, Verticillium Wilt + MORE</p>	<p>Debacarb 1.7% Carbendazim 0.3%</p>	<p>302QMJ- 24, 4mL Capsules</p> <p>303QMJ – 24, 6mL Capsules</p>	<p>\$154.99</p> <p>\$189.99</p>
Tebuject™ 16	<p>Tebuject™ 16 is a Triazole fungicide containing 16% Tebuconazole. It inhibits sterol synthesis necessary for fungal development and provides added control of oak wilt, in addition to other diseases such as elm, ash, maple, and sycamore anthracnose. Tebuject 16 is traditionally used best in a preventative disease management program. It can also assist in suppressing some existing injections to give the tree added vigor.</p>	<p>Anthracnose, Ceratocystis Fagacearum, Ceratocystis Ulmi, Crab Apple Scab, Diplocarpon Theumenii, Dutch Elm Disease, Hawthorn Leaf Spot, Oak Wilt</p>	<p>Tebuconazole 16%</p>	<p>515QMJ – 24, 4mL Capsules</p> <p>516QMJ – 24, 6mL Capsules</p>	<p>\$165.99</p> <p>\$179.99</p>

Antibiotic

Mycoject™ Ultra	<p>Mycoject™ Ultra, contains the antibiotic Oxytetracycline Hydrochloride in a completely enclosed micro-infusion system, is a systemic aid in the suppression of bacterial diseases in elm, red oak, palm, peach, pear and non-bearing pecan and plum trees.</p>	<p>Ash yellows, bacterial leaf scorch, bunch disease, fire blight, leaf scald, palm lethal yellows, phloem necrosis, X-diseases</p>	<p>Oxytetracycline hydrochloride 4.3%</p>	<p>307QMJ – 24, 6mL Capsules</p>	<p>\$119.99</p>
------------------------	---	---	---	--	------------------------

Fungicide + Insecticide

Imisol™	<p>The first dinotefuran insecticide available for tree injection. Its active ingredients are translaminar and able to move from tree's xylem to its phloem, making Dinocide effective against pests such as longhorned borers. Works in as little as three days. Can be applied with other insecticides and fungicides. Provides season-long insect control with fast results.</p>	<p><u>Diseases:</u> Anthracnose, Atropellis Cancker, Bleeding Canker, Coryneum Blight, Diplodia Tip Blight, Dutch Elm Disease, Elm Wilt, Fusarium Wilt, , Oak Decline, Oak Wilt, Pink Bud Rot, Thielaviosis Decline, Verticillium Wilt, and others; <u>Insects:</u> Adelgids, Alder Birch borer, Aphids, Black Veen Weevil Larvae, Bronze Birch borer, Cottonwood Longhorned Borer, Flathead Borers, Japanese Beetle, Lacebugs, leafhoppers, Leafminers, Lerp Psyllid, Mealybugs, Pine Tip Moth Larvae, Psyllids, Royal Palm Bugs, Scale Insects, Thrips, Whiteflies</p>	<p>Debacarb 1.7%, Carbendazim .3%, Imidacloprid 5.0%</p>	<p>402QMJ – 24, 4mL capsules 403QMJ – 24, 6mL capsules</p>	<p>\$144.99 \$179.99</p>
Abasol™	<p>Abasol, one of two exclusively developed combination Products that combines an Insect (insecticide) and a Disease (fungicide) treatments into one simple application. An Abasol microinjection tree care treatment combines Mauget's Abacide (Abamectin) Insecticide with Mauget's patented Fungisol (debacarb) Fungicide. Registered on over 31 tree species, Abasol (and Imisol) are the only combination products of their kind developed exclusively for micro-Injection tree care to date</p>	<p><u>Diseases:</u> Anthracnose, Atropellis Cancker, Bleeding Canker, Botryosphaeria Branch Canker, Cedar Branch Canker, Ceratocystis Cancker, Coryneum Blight, Cytospora Canker, Diplodia Tip Blight, Dutch Elm Disease, Elm Wilt, Fusarium Wilt, Kabatina Branch Canker, Melanconium Dieback, Mimosa Wilt, Nectria Canker, Oak Decline, Oak Wilt, Penicium vermoeseni, Phomopsis Canker, Pine Pitch Canker, Pink Bud Rot, Thielaviosis Decline, Vermicularia Dieback, Verticillium Wilt, and others; <u>Insects:</u> Elm Leaf Beetle, Fall Web Worm, Leaf Miners, Lepidoptera Insects, Spider Mites, Sycamore lace Bug</p>	<p>Debacarb 1.7%, Carbendazim 0.3% Abamectin B1 0.46%</p>	<p>401QMJ – 24, 4mL Capsules 518QMJ – 24, 6mL Capsules</p>	<p>\$169.99 \$199.99</p>

Fertilizer

Inject-a-Min Iron/Zinc	<p>Mauget's Inject-A-Min Iron/Zinc is a micro-nutrient formulation used in Gen II injection capsules containing water-soluble iron and zinc sulfates including Sulfur, together helping to correct conditions of many tree species growing in non-native alkaline soils. Inject-A-Min Iron/Zinc is very helpful in correcting Iron and or zinc deficiencies in many trees including Pin Oaks. Because these elements are placed directly into the trees vascular system, the benefits of Inject-A-Min Iron-Zinc can be evident for one to five years compared to adjacent untreated trees. In most cases the results of Inject-A-Min Iron/Zinc are apparent quickly. Iron and zinc deficiencies are characterized by young leaves exhibiting darker green veins with a yellowing or loss of color between veins.</p>	1-0-1 + Fe, Zn	505QMJ – 24, 6mL Capsules	\$110.99
Stemix™ +	<p>Mauget's STEMIX® PLUS is a water based fertilizer used in Mauget's Gen II tree injection capsules. An optimum formulation of chelated minerals with a very low salt index and elevated magnesium and calcium, designed to stimulate both foliar and root growth. Because the elements are placed directly into the trees vascular system, the benefits of Stemix Plus can be evident for one to five years compared to adjacent untreated trees. Stemix Plus is for use in trees where deficiencies cannot be successfully corrected by foliage or soil feeding, and in areas where leaching into ground water is a concern.</p>	(1.21-0.92-1.0) + Fe, Mg, Z	510QMJ – 24, 6mL Capsules	\$104.99
Vigor 53®	<p>Vigor 53 is a Potassium-buffered Mauget tree injection Phosphorous Acid material, providing additional potassium nutrition in addition to phosphite technology. Vigor 53 works well in a total PHC program that emphasizes natural plant health defense systems. The additional potassium aids in leaf thickening, better stem and root development, and stimulated frost or cold damage recovery. University research has extensively demonstrated the ability of potassium to aid in the recovery of leaf and stem diseases as well as other stress agents involved in drought avoidance. Symptoms are usually displayed by leaves having darker green veins with a yellowing or loss of color between veins. Young leaves are generally affected primarily.</p> <ul style="list-style-type: none"> • Promotes growth. • Based on sulfated elements. • High levels of iron and zinc. • Long lasting effect 	0-28-25	509QMJ – 24, 7.5mL Capsules	\$99.99