



 Bayer Environmental Science

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CoreTect™
Tree and Shrub Tablets

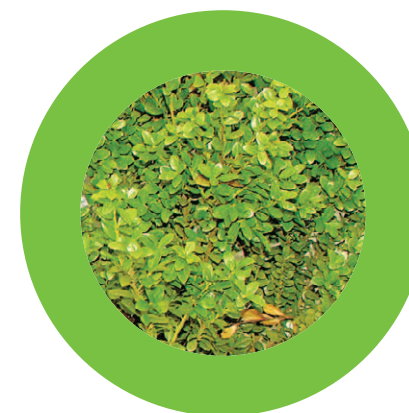
NEW CORETECT™ TABLETS. THEY'RE HEALTH INSURANCE FOR TREES AND SHRUBS

UNTREATED
VIBURNUM



CORETECT - TREATED
VIBURNUM

UNTREATED
JAPANESE HOLLY



CORETECT - TREATED
JAPANESE HOLLY

HOW TO USE CORETECT TABLETS.

INSTALLATION OF NEW TREES AND SHRUBS, OR PLANTS GROWN IN CONTAINERS:

Simply place the proper number of tablets into the planting hole during installation of new plants.

Container Size:	Dose (# tablets to use)
< 1 gal	1
1 gal	1-2
3 gal	2-3
5 gal	3-4
7 gal	4-5
10 gal	5-7

Large containers (spaded, balled and burlapped, and pot-in-pot): 2-3 tablets per inch trunk diameter or foot of shrub height.

TREATMENT OF ESTABLISHED TREES AND SHRUBS:

Simply pull back mulch or make small holes around existing plants and apply the proper number of tablets for the plant size; 2-3 tablets per inch trunk diameter or foot of shrub height.

GREAT NEWS FOR ARBORISTS AND LANDSCAPE PROS.

CoreTect protects trees and shrubs from insects and stress throughout the life cycle – from transplanting to establishment to maturity, and beyond.

Landscape contractors can install new trees and shrubs with confidence, by protecting against damaging insects and reducing transplant stress. And CoreTect fertilizer gives plants an added boost just when they need it the most.

Arborists and lawn care professionals get residual insect control that's equal to or even better than with Merit. The tablet formulation offers more flexibility with scheduling trucks and routes. Plus, treated trees and shrubs will look healthier and withstand stress more readily.

Everybody can enjoy great long-term insect control, healthier trees and shrubs, happier customers, fewer callbacks and a stronger bottom line.

For more information on CoreTect Tablets please visit www.BackedbyBayer for a Bayer Field Sales Representative near you or call 1-800-331-2867 for Bayer Customer Service.

HOW CORETECT OFFERS INDUCED STRESS TOLERANCE.

CoreTect is systemic and continuously metabolized in plants to create Induced Stress Tolerance (IST). This causes increased production of key stress-mediating antioxidants that help the plant attack toxic free radicals. The toxic molecules are eliminated more quickly and efficiently, with less energy. With less energy being expended to fight off environmental stress, more energy goes into healthy root and shoot growth. IST means extra protection for your valuable trees and shrubs.

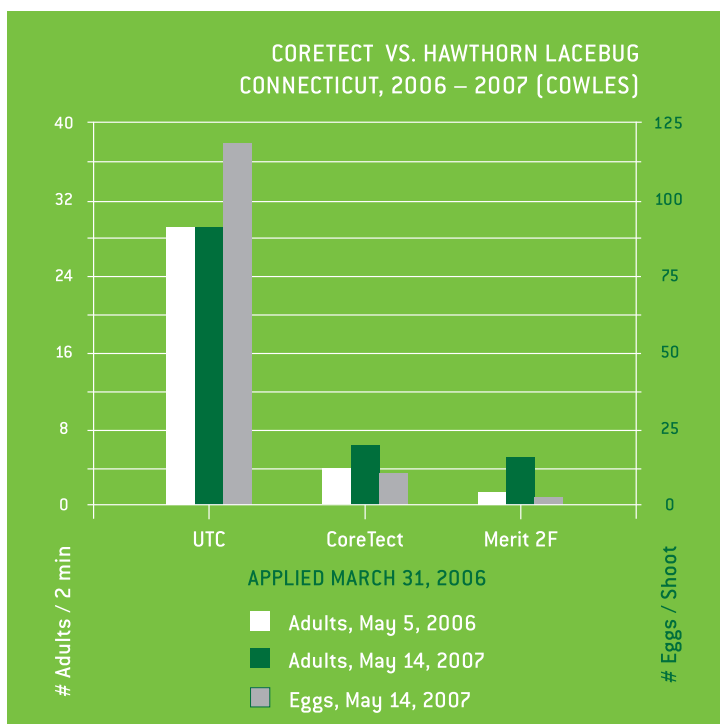
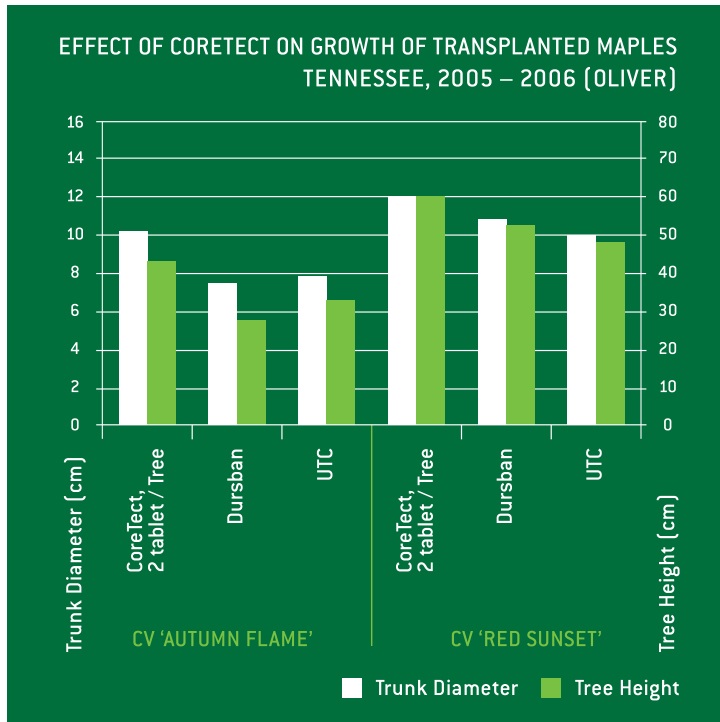
HEALTHY TREES GROW BETTER

CoreTect-treated trees and shrubs are healthier than others even when insects aren't a problem. In university trials on numerous ornamental species, CoreTect-treated plants consistently grow larger and tolerate stress better than untreated trees.

GET UP TO TWO YEARS OF POWERFUL INSECT CONTROL.

The controlled released properties of CoreTect Tablets allow for outstanding residual control of these damaging insect pests and more:

- | | |
|------------------------|----------------------|
| Adelgids | Mealybugs |
| Aphids | Pine tip moth larvae |
| Japanese beetle adults | Psyllids |
| Flatheaded borers | Roundheaded borers |
| Lace bugs | Royal palm bugs |
| Leaf beetles | Sawfly larvae |
| Leafminers | Soft scales |
| Leafhoppers | Whiteflies |



ALREADY USING FERTILIZER TABLETS?
 In addition to plant health and insect control, CoreTect Tablets offer another value-added feature: fertilizer. Each 2.5 gram tablet contains a 12-9-4 fertilizer plus micronutrients that deliver valuable nourishment over time to trees and shrubs.



PROTECT AND NOURISH VALUABLE PLANTS. PROTECT AND GROW YOUR BUSINESS.

New CoreTect tablets contain Merit®, the world's #1 tree and shrub insecticide plus fertilizer. Use it when planting, or on established plants for controlled-release and long-residual systemic insect control. The health-promoting properties of the tablet also make plants stronger, healthier, and more resistant to environmental stress.

Even better, it's simple: all you have to do is put the tablet into the soil and go. No spray tanks, no water, no worries.

IT'S THE LATEST TECHNOLOGY IN ORNAMENTAL CARE.
 CoreTect tablets are a new, proprietary formula, ideal for plants in any location: outdoors, indoors, in containers, in urban settings, in forest settings or for anytime you'd rather not spray or hassle with handling and mixing liquid soil treatments. Just put the tablets into the soil, and the controlled-release formulation goes to work. What could be easier?

PROTECT FROM THE WORST STRESSORS.
 Heat, drought, and poor soil conditions are just a few of the environmental stressors that CoreTect fights. Because we know that every callback for dead or declining plants costs you time and money.

HOW STRESS BEGINS.
 Plant stress comes in many forms, generally classified as biotic or abiotic. When plants are under stress, their photosynthesis, water use and respiration become inefficient. This triggers oxidation reactions that produce free radicals, which damage plant cells and lead to water loss and other negative effects.

THE BASICS OF ABIOTIC STRESS

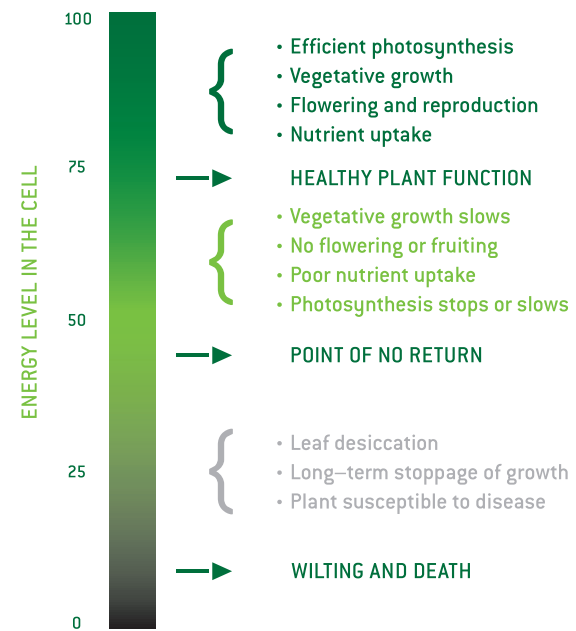


STRESS: THE FULL STORY.

Antioxidants are molecules capable of slowing or preventing the damage to plant cells caused by free radicals and other oxidizing molecules. To combat stress, plants and animals maintain complex biochemical systems that produce antioxidants such as vitamin C, vitamin E and a variety of enzymes. While the exact mechanism of detoxification is not completely understood, research has shown that antioxidants play a critical role in a plant's defense system against abiotic (environmental extremes) and biotic (insects, diseases) stress.

But fighting stress has a cost. Plants burn a tremendous amount of energy when removing toxic free radicals—energy normally used for photosynthesis, nutrient and water uptake, water balance, root and shoot growth, production of leaves, flowering, and producing fruit.

STRESS DEPLETES THE ENERGY OF THE CELL



Once energy levels fall below a certain point, vital plant functions stop or slow to critical levels. Leaves begin to wilt, and the plants will eventually desiccate and die. Even if conditions improve and the stresses go away, it can still take plants months to recover.



DROUGHT STRESS