

Trim•tect®

Trimtect is a foliar-applied shrub growth regulator that will reduce trimming and other maintenance costs. Trimtect extends trimming cycles and increases pruning efficiency.

Active Ingredient:	By Wt
Paclobutrazol: (R*, R*)-(±)-β-[(4-chlorophenyl) Methyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol.	8%
Other Ingredients:.....	92%
Total:.....	100%

NET CONTENTS: 1 gallon 128 fl oz (3.785 L)
Contains 0.72 lbs. active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Side/Back Panel for Additional Precautionary Statements, First Aid and Directions for Use

EPA Reg. No. 74779 - 7

EPA Est. 39578 - TX - 1

Manufactured for:



Rainbow Treecare Scientific Advancements

11571 K-Tel Dr.
Minnetonka, MN 55343
1-877-ARBORIST
1-877-272-6747

www.treecarescience.com

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

HOT LINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal), or
Chemical Emergency Assistance (Spill, Leak, Fire, or Accident).
Call CHEMTREC at **1-800-424-9300**.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, butyl rubber, Nitrile rubber or Viton.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves such as barrier laminate, butyl rubber, Nitrile rubber or Viton.
3. Shoes plus socks

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR PRODUCT PERFORMANCE.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Trimtect is a growth regulator that provides vegetative growth suppression of woody plants or shrubs in outdoor non-crop areas, including residential areas, nurseries, national and private wooded and areas, parks, industrial manufacturing and storage sites, commercial buildings, street medians, rights-of-way areas, such as electrical power lines, highway and transit medians, communication lines, pipe lines, roadsides, rail roads, fence rows, non-irrigation ditch banks, forests and in the establishment and maintenance of wild life openings.

GENERAL DIRECTIONS

Trimtect is absorbed into succulent new growth of woody ornamentals and ground covers. Treated plants require less pruning and will exhibit a more compact growth habit. Treated plants have smaller leaves and can display darker foliage. Trimtect inhibits the production of gibberellin and subsequent cell elongation in terminal shoots. Timing of initial shoot growth reduction varies by species and location, but a response can be noted in most species within 30-90 days.

Duration of growth reduction response can last for up to 1-2 growing seasons depending on the application timing, amount of pruning performed, soil type, growing conditions and species of plant. Additional cultural practices, such as fertilizing and irrigation may influence the response time and level of growth reduction.

Certain species may require light pruning during the treatment period to maintain the desired shape and form. Avoid heavy pruning of trees and shrubs following application, as this will remove the Trimtect from the terminal shoots of the treated plant.

Trimtect is also absorbed by the root system when applied to the soil. Soil applied treatments will inhibit the growth of woody ornamentals, such as shrubs and small trees less than 3 inches in DBH. Trimtect may be applied using soil injection or basal drench to control the growth of hedges and dense shrub plantings.

Trimtect may also be used to reduce the incidence and severity of fire blight of shoots (Shoot blight). Trimtect does not have direct antibiotic activity against the fire blight pathogen (*Erwinia amylovora*), but can reduce the host susceptibility. A foliar spray treatment in the spring temporarily suppresses rapid shoot elongation during the peak infection period by the fireblight pathogen potentially reducing the susceptibility of the host to shoot tip infections.

NOTE:

- Will not suppress the blossom blight stage of fire blight.
- Do not treat flowering dogwood.
- Use caution when treating maples, lindens, red bud, sweet gum, and elms less than 10 inches in diameter with soil applications as these species are more prone to over-regulation.
- Foliar spray applications at higher dosage rates may leave a white residue on the plant foliage. Take precaution when treating around sidewalks, driveways, buildings, decks, fences, vehicles, or other structural surfaces as staining may occur. Wash immediately with water if product comes into contact with these surfaces.
- Take extra precaution to minimize application to non-target plants, including turfgrass, as growth regulation may occur on non-target plants that come into contact with Trimtect.

PRUNING REDUCTION AND TO MAINTAIN COMPACT GROWTH

Foliar Treatment

Applications can be made throughout the growing season to plants. To minimize regrowth after pruning, make applications no more than 2 weeks following pruning. Applications can also be made immediately after pruning. NOTE: Pruning after applications have been made will remove the Trimtect from the plant and can decrease the amount of growth reduction. Shake container thoroughly before use. See Table 1 for foliar spray rates

The dosage rates listed below are guidelines. Certain species respond more or less to Trimtect. In addition, efficacy may vary depending on weather conditions, geographic conditions, and other biological factors; applicators should treat small-scale numbers of plants prior to determining specific application rates for different species under actual use conditions. To optimize dosage rates for a user's specific location, cultural practices, and growing conditions, users should vary the rate of Trimtect on a small number of plants for each species.

Table 1: Trimtect Foliar Spray Shrub Species and Rates For Vegetative Growth Control

Plant	Scientific Name	Rate (fl. oz.) per gallon of water	Rate (fl oz.) per 100 gallons of water
Abelia	<i>Abelia x grandiflora</i>	3.2 - 6.4	320 - 640
Alpine current	<i>Ribes spp</i>	3.2 - 6.4	320 - 640
Arborvitae	<i>Thuja spp.</i>	6.4	640
Ash	<i>Fraxinus spp.</i>	6.4	640
Azalea	<i>Rhododendron spp.</i>	1.6 - 3.2	160 -320
Barberry	<i>Berberis spp.</i>	3.2	320
Bottlebrush	<i>Callistemon spp.</i>	3.2 - 6.4	320 - 640
Bougainvillea	<i>Bougainvillea spp.</i>	3.2 - 6.4	320 - 640
Boxwood	<i>Buxus spp.</i>	3.2	320
Butterfly Bush	<i>Buddleia spp.</i>	1.6 - 3.2	160 -320
Cherry Laurel & English Laurel	<i>Prunus spp.</i>	1.6 - 3.2	160 -320
Cotoneaster	<i>Cotoneaster spp.</i>	3.2 - 4.8	320 - 480
Crabapple	<i>Malus spp.</i>	3.2 - 6.4	320 - 640
Eugenia	<i>Eugenia myrtifolia</i>	3.2 - 6.4	320 - 640
Euonymus	<i>Euonymus spp.</i>	6.4	640
Ficus	<i>Ficus spp.</i>	3.2 - 6.4	320 - 640
Firebush	<i>Hamelia patens</i>	3.2 - 6.4	320 - 640
Forsythia	<i>Forsythia spp.</i>	3.2 - 4.8	320 - 480
Hibiscus	<i>Hibiscus spp.</i>	1.6 - 3.2	160 -320
Holly	<i>Ilex spp.</i>	3.2 - 6.4	320 - 640
Honeylocust	<i>Gleditsia</i>	3.2 - 6.4	320 - 640
Honeysuckle	<i>Lonicera spp.</i>	1.6 - 3.2	160 -320
Ice Plant	<i>Delosperma</i>	1.6 - 3.2	160 -320
Itea	<i>Itea virginiana</i>	1.6	160
Ivy	<i>Hedera spp.</i>	1.6 - 4.8	160 - 480
Ixora	<i>Ixora coccinia</i>	3.2 - 6.4	320 - 640
Jasmine	<i>Trachelospermum</i>	3.2 - 6.4	320 - 640
Juniper	<i>Juniperus</i>	6.4	640
Lantana	<i>Lantana camara</i>	3.2 - 6.4	320 - 640
Lilac	<i>Syringa spp.</i>	1.6 - 3.2	160 -320
Loropetalum	<i>Loropetalum chinensis</i>	1.6 - 4.8	160 - 480
Maple	<i>Acer spp.</i>	1.6 - 3.2	160 -320
Ninebark	<i>Physocarpus spp.</i>	1.6	160
Oak	<i>Quercus spp.</i>	3.2 - 4.8	320 - 480
Oleander	<i>Nerium spp.</i>	3.2 - 6.4	320 - 640
Orange Jasmine	<i>Murraya paniculata</i>	1.6 - 4.8	160 - 480
Photinia	<i>Photinia fraseri</i>	3.2 - 6.4	320 - 640
Pittosporum	<i>Pittosporum spp.</i>	3.2 - 6.4	320 - 640
Plumbago	<i>Plumbago auriculata</i>	3.2 - 4.8	320 - 480
Podocarpus	<i>Podocarpus spp.</i>	3.2 - 6.4	320 - 640
Privet	<i>Ligustrum spp.</i>	3.2 - 6.4	320 - 640
Pyracantha	<i>Pyracantha spp.</i>	1.6 - 3.2	160 -320
Raphiolepis	<i>Raphiolepis indica</i>	3.2 - 6.4	320 - 640
Rhododendron	<i>Rhododendron spp.</i>	1.6 - 3.2	160 -320
Rose of Sharon	<i>Hibiscus syriacus</i>	1.6 - 3.2	160 -320
Serviceberry	<i>Amelanchier spp.</i>	1.6 - 3.2	160 -320
Spirea	<i>Spirea spp.</i>	1.6 - 3.2	160 -320
Surinam Cherry	<i>Eugenia uniflora</i>	3.2 - 6.4	320 - 640
Viburnum	<i>Viburnum spp.</i>	3.2 - 6.4	320 - 640
Vinca	<i>Vinca minor</i>	1.6	160
Weigela	<i>Weigela florida</i>	1.6 - 3.2	160 -320
Yew	<i>Taxus spp.</i>	6.4	640

The use of a commercial spreader sticker may provide more thorough coverage on hard to wet plant tissue.

Spray solution until material begins to drip from all plant surfaces. Ensure that the foliage, canopy and all stems are thoroughly covered.

Basal Drench

(Recommended for the following upright growing woody ornamental shrubs and trees less than 3" DBH).

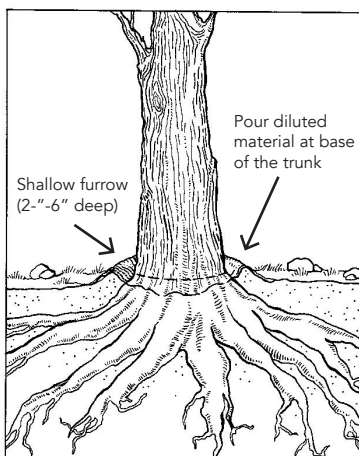
Mix 1 part Trimtect with 11 parts water to create a Ready-To-Use (RTU) solution. See Table 2 below to determine how much RTU solution to apply per inch of trunk diameter at breast height (DBH). Dig a shallow furrow 2 – 6 inches deep around the base of the tree. Pour the Ready-To-Use solution evenly around the tree into the furrow using an applicator that provides a controlled flow. Make the application at the point of contact between the soil and the tree trunk (figure 1). After the diluted product has been absorbed by the soil, refill the furrow with untreated soil.

Soil applications can be made throughout the year, except when the soil is frozen or saturated with water. Note: When applied to the soil, Trimtect is absorbed by plant roots and translocated to the growing points (sub-apical meristems) in response to evaporative water loss (transpiration). If soil applications are made after leaf drop, uptake of Trimtect will not occur until development of new leaves and resumption of transpiration.

Table 2: Trimtect Soil Drench Tree Species and Rates For Vegetative Growth Control

Plant	Scientific Name	Fl Oz of Diluted solution per DBH inch
Arborvitae	<i>Thuja spp.</i>	15.2
Ash	<i>Fraxinus spp.</i>	15.2
Bur Oak	<i>Quercus spp.</i>	5.0
Cedar	<i>All species</i>	15.2
Crabapple	<i>Malus spp.</i>	2.5
Honeylocust	<i>Gleditsia</i>	10.1
Japanese Maple	<i>Acer spp.</i>	2.5
Live Oak	<i>Quercus spp.</i>	5.0
Norway Maple	<i>Acer spp.</i>	2.5
Ornamental Pear	<i>Pyrus spp.</i>	15.2
Palm	<i>All species</i>	15.2
Pine	<i>Pinus spp.</i>	15.2
Red Maple	<i>Acer spp.</i>	2.5
Red Oak	<i>Quercus spp.</i>	10.1
Sweet Gum	<i>Liquidambar spp.</i>	2.5
Upright Yew	<i>Taxus spp.</i>	15.2
White Oak	<i>Quercus spp.</i>	5.0

Figure 1. Placement Of Trimtect Ready-To-Use Solution As A Basal Drench



Growth Suppression of Low Maintenance Woody Plants

To minimize regrowth of brush after pruning, make foliar applications no more than 2 weeks following pruning. Applications can also be made immediately after pruning. NOTE: Pruning after applications have been made will remove the Trimtect from the plants and can decrease the amount of growth reduction.

Spray solution until material begins to drip from all plant surfaces. Ensure that the foliage, canopy and all stems are thoroughly covered.

The use of a commercial spreader sticker may provide more thorough coverage on hard to wet plant tissue.

Mix 6.4 fl. oz. (190 ml) in 1 gallon (3.8 L) of water

Control and Suppression of Annual and Perennial Grasses, and Annual and Broadleaf Weeds, Woody Plants and Vines

Trimtect can be used alone or tank mixed with commonly used herbicides such as triclopyr, imazapyr, picloram, ammonium salt of imazapic, MCPA, dicamba, and glyphosate to slow the growth or regrowth of certain annual and perennial grasses, broadleaf weeds, woody plants, vines and woody invasive species such as Kudzu that are growing around commercial and right of way areas.

Trimtect can also be tank mixed with herbicides to provide more persistent control for spot treatments such as around poles, road-way signs, utility boxes, fire hydrants, and when used in combination with herbicides as a chemical edger.

For best results apply when plants are actively growing. Difficult to control plants may require multiple treatments to achieve control. Consult all labels before using any tank mix partner. The most restrictive label requirement must be used for tank mixes. Do not use tank mixes on use sites which are not allowed on each label.

Tank mix up to 4 parts Trimtect with 1 part herbicide. Make applications as a spray to drip, ensuring the foliage, canopy and all woody stems are thoroughly covered.

If tank mixing a product for the first time, check physical compatibility by using correct proportions of each product in a small jar test.

TO REDUCE FIRE BLIGHT INFECTIONS OF SHOOTS (SHOOT BLIGHT).

To temporarily suppress rapid shoot growth of fireblight susceptible species and reduce the incidence and severity of fire blight infections, mix 1 ¾ gallons (224 fl. oz.) of Trimtect with 100 gallons of water and apply as a foliar spray to the point of runoff. Make application in the spring when new shoot growth is 1 – 3 inches. For optimum results, use as a part of a comprehensive IPM program for fireblight.

The use of commercial water conditioners, wetting agents and/or spreader stickers may provide more thorough coverage on hard to wet plant tissue.

Note:

- Will not suppress the blossom blight stage of fire blight.

GENERAL PRECAUTIONS

All Uses:

- Do not apply this product through any type of irrigation equipment
- Assume that dosage rates are measured accurately since rates greater than those recommended may cause undesirable growth regulation and may discolor areas temporarily.
- Shake container thoroughly before use.
- Do not use on areas to be cultivated for food or food crops within two years of treatment.
- Avoid sowing grass seed within two years of treatment. Sowing with grass seed within this time period may result in poor or reduced seedling establishment.
- Do not apply more than 11 qts per acre per year (2 lbs. ai/A)

Control and Suppression of Annual and Perennial Grasses, and Annual and Broadleaf Weeds, Woody Plants and Vines Uses:

- Do not mow treated turf for at least three days following application
- Do not graze treated areas or harvest for forage or hay.

Basal Drench Uses:

- Do not apply product to soil when soil is already saturated. Heavy rainfall or irrigation in treated areas may cause active ingredient to move laterally on slopes and collect in low areas. These areas may undergo more severe growth control for a longer period of time.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

Pesticide Storage: Keep container closed when not in use. Do not store near food or feed. Protect from freezing. In case of spill or leak on floor or paved surfaces, soak up with sand, earth, or synthetic absorbent. Remove to chemical waste area.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse (or equivalent) promptly after emptying. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(non-refillable <5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times.

(non-refillable >5 gallons) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Follow the Directions for Use carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Tree injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or tree conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS or seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS and Seller harmless for any claims relating to such factors.

RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions For Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, and Buyer and User assume the risk of any such use. RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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