















Trim-tect® Foliar Application Guide



This application guide includes easy-to-follow steps for mixing and applying Trimtect along with additional training and considerations to help you achieve successful plant growth control. Please contact our plant health care specialists in technical support if you encounter issues or have any questions or concerns.



BEFORE APPLYING TRIMTECT

Please read all the instructions included in this application guide. Read and understand all the information contained on the product label prior to use.

As with any pesticide, applying the proper dose is critical to achieving predictable results. If you have any questions, please call our technical support line.

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

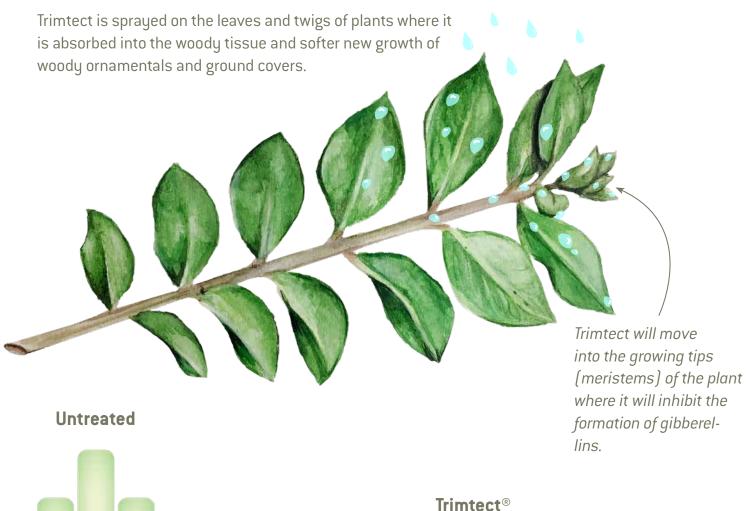


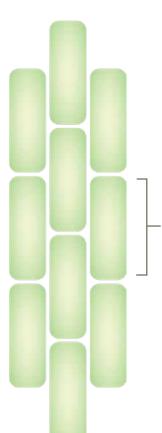
Trim-tect ABOUT TRIMTECT

- » Trimtect is a plant growth regulator that is applied as a foliar spray or soil application (not covered in this guide) that slows the growth of woody ornamentals, ground covers and herbaceous perennials.
- » Treated plants require less pruning and will exhibit a more compact growth habit. Treated plants may have smaller leaves and darker foliage.
- » Trimtect can be applied to any actively growing tissue, but is most effective when applied to the softer new growth of woody ornamentals and ground covers, including young foliage, expanding buds and fleshy stems.
- » Timing of initial shoot growth reduction varies by species and location, but a response can be seen in most species within a few weeks after treatment.
- » Growth reduction typically lasts for 8-12 weeks depending on plant species, application timing, pruning, soil type and growing conditions.
- » Certain species may require light pruning during the treatment period to maintain the desired shape and form.
- » Avoid heavy pruning after treatment, as pruning may remove treated plant tissue and encourage growth.

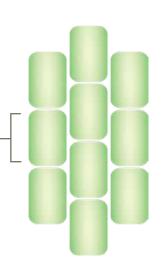


HOW TRIMTECT WORKS





Gibberellins are plant hormones responsible for the elongation of plant cells. Plants treated with Trimtect will produce the same number of cells, but the cells remain smaller, keeping plant parts compact.



30-70% REDUCTION

in vegetative growth over a treatment cycle.

Trim-tect TIMING APPLICATION

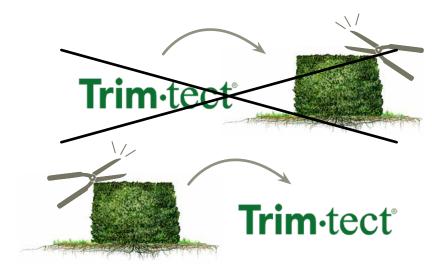


TIME OF YEAR

Trimtect applications can be made throughout the growing season. Treat plants prior to or during the initial stages of active growth.

TRIMMING TIMING

Trimming prior to application is not required for Trimtect to be effective. Plants should be at the desired height/width/shape prior to application. Applications can be made immediately after pruning as long as foliage and terminal buds remain to absorb Trimtect. For heavily pruned/sheared plants, wait for new growth to appear around pruning wounds before applying Trimtect.



NOTE: Pruning after applications have been made will remove Trimtect from the plant and reduce performance.

RETREATMENT

For most species, one or more treatments are required within a growing season to achieve the desired growth control. However, in some circumstances, the growth reduction response may carry over into the following growing season, depending on application timing, application frequency, growing conditions and plant species. Species sensitivity should be taken into account when planning re-treatment intervals.

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 following application, as this will remove Trimtect-treated plant tissue and reduce or eliminate growth control.

MIXING SOLUTION

1. Shake Trimtect container well before each use.



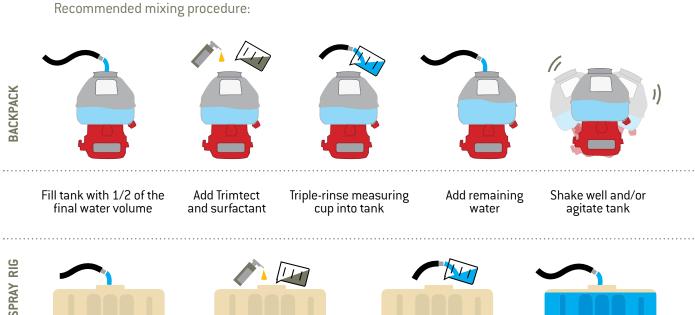
Determine what Trimtect rate to use based on species (see rate table below).

3. Determine total volume of mixed solution to apply based upon the total surface area of plant material to be treated (see diagram). One (1) gallon of dilute Ready to Use (RTU) solution will treat approximately 300 ft² of plant surface area, depending on spray pressure, shrub density and leaf structure.



NOTE: For best results, Rainbow recommends mixing only enough solution for what you will need on the day of application.

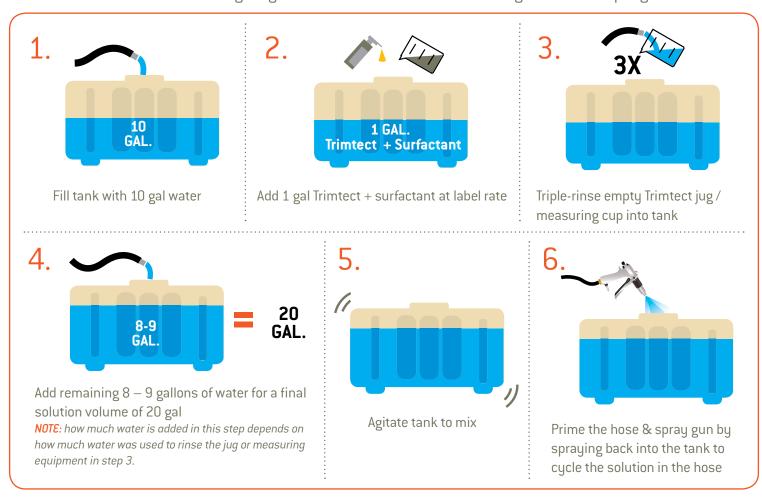
4. Mix Trimtect into appropriate amount of water. Add a non-ionic surfactant such as Audible 90 for best results. Recommended mixing procedure:



NOTE: Continue agitation in the tank to prevent settling.

Trim-tect MIXING SOLUTION

EXAMPLE 1 - When mixing 20 gallons of Trimtect RTU solution using the 6.5 fl.oz. per gal. rate:



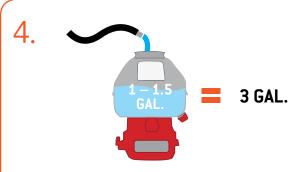
EXAMPLE 2 - When mixing 3 gallons of Trimtect RTU solution using the 6.5 fl.oz. per gal. rate:



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MIXING SOLUTION

EXAMPLE 2 (continued)

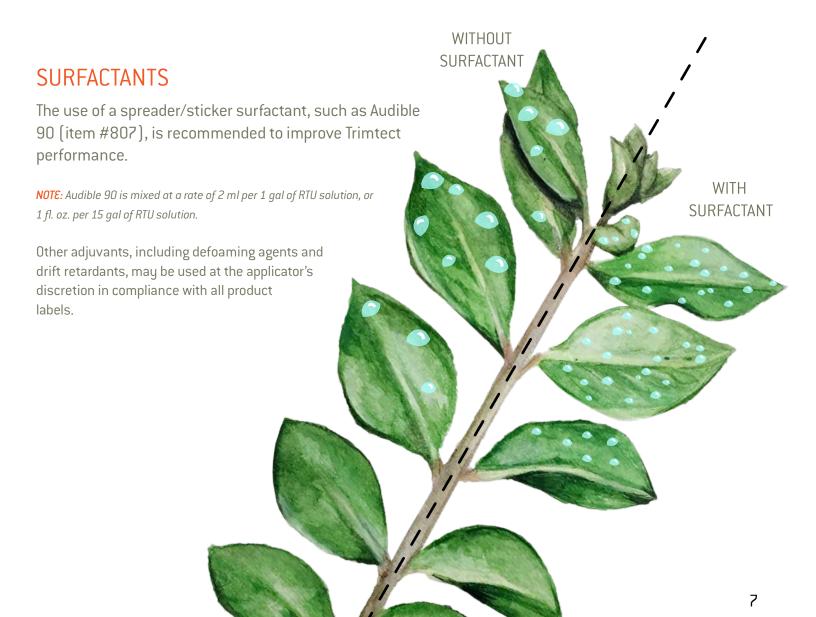


Add remaining 1 - 1.5 gallons of water for a final solution volume of 3 gal

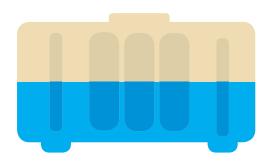
NOTE: How much water is added in this step depends on how much water was used to rinse the measuring equipment in step 3.





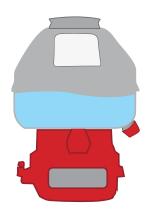


Trim-tect APPLICATION EQUIPMENT



TRUCK-MOUNTED SPRAY RIG

- Tank with mechanical or jet agitation
- Use a high-pressure spray gun with an adjustable aperture, such as the Green Garde JD9 gun
 - Adjust spray gun to apply a 30°-45° fan spray
- Operate at 50-80psi



MOTORIZED BACKPACK SPRAYER

- » Recommended to use a 25 L (6.6 gal) high-pressure backpack sprayer with liquid bypass agitation, such as the Maruyama 356 model MS75
- Use a high-pressure spray gun, such as the Green Garde JD9 to penetrate dense shrubs and hedges
- We a spray wand with an adequate extension to achieve even coverage on tall hedges, such as a Maruyama telescoping wand with an adjustable 45° single nozzle, 2-nozzle wand, or 4-nozzel driftless spray boom
- Operate at 50-80 psi



MANUALLY-OPERATED BACKPACK SPRAYER

- » Recommended to use a 4-gallon, pressurecontrolled backpack sprayer, such as the Chapin Tree/Turf Pro
- We a single-aperture spray wand equipped with a fan nozzle, such as the TeeJet 8006 flat spray tip, to achieve even coverage on hedges, small shrubs, perennials and groundcover beds
- » Avoid fine-mist settings to minimize potential for off-target drift

GENERAL PRECAUTIONS



- Do not use Trimtect during periods of extreme dry or cold weather, or during heavy insect or disease activity.
- Do not apply this product through any type of irrigation equipment.
- Ensure that dosage rates are measured accurately; exceeding recommended rates may cause undesirable growth regulation and/or temporary foliage discoloration. Do not use on areas to be cultivated for food or food crops or to be re-sown with grasses within two years of treatment.
- Take precautions to avoid or minimize application to nontarget plants as growth regulation may occur on non-target plants that come into contact with Trimtect.
- Do not apply more than 11 quarts per acre per year (2 lbs. ai/A).

RATE CONSIDERATIONS

- The rates listed on the back page are guidelines. Certain species respond more or less to Trimtect.
- » Applications at higher rates may leave a white residue on the plant foliage. Consider using a lower rate on plants where residue would be undesirable.
- Efficacy may vary depending on weather conditions, geographic region, cultural practices and other factors. To optimize your Trimtect results, it is recommended to treat several plants of each target species under field conditions in your area before applying Trimtect on a large scale.
- When making applications to multiple species with different recommended rate ranges, mix the highest rate first, and dilute the remaining solution appropriately for the lower-rate species.

Trim-tect APPLICATION & PRECAUTIONS

- 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.
- Take precaution when treating around sidewalks, driveways, buildings, decks, fences, vehicles, or other structural surfaces as staining may occur. Keep a fresh water source handy and wash immediately with water if product lands on these surfaces!



FOLIAR APPLICATION

Trimtect should be applied as a spray-to-drip application, ensuring the foliage, canopy, and all woody stems are thoroughly covered.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators And Other Handlers Must Wear:



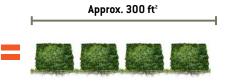
» Long-sleeved shirt and long plants



- Chemical-resistant gloves such as barrier laminate, butyl rubber, Nitrile rubber or Viton
- » Shoes plus socks
- » Protective eyewear*

*NOTE: Although not required by the product label, eye protection is strongly recommended whenever chemicals are being poured or mixed, when mists are present or when working with substances under pressure.





One gallon of mixed, Ready-to-Use (RTU) Trimtect solution will typically treat up to $300 \, \mathrm{ft}^2$.

EXPECTATIONS OF PERFORMANCE

- Treated plants require less pruning and will exhibit a more compact growth habit.
- Treated plants typically have smaller, darker-colored leaves.
- Timing of initial shoot growth reduction varies by species and location, but a response can be seen in most species within a few weeks.
- » Typical results are a 30-70% reduction in vegetative growth over a treatment cycle.
- Some target plants particularly high application-rate species growing as dense hedges may require light pruning during the treatment period to maintain desired shape and form.
- Conifer species may not exhibit significant growth reduction.

VEGETATION MANAGEMENT

Trimtect can be tank mixed with common herbicides to provide longer control of annual and perennial broadleaf weeds, woody plants, vines and woody invasive species, such as Kudzu, growing around commercial and Right-of-Way (ROW) areas.

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

Contact your RTSA representative for guidance on using Trimtect with herbicides.

TANK MIXING WITH HERBICIDES

Common Herbicides Compatible*with Trimtect:

- >> triclopyr
- » imazapyr
- » picloram
- » ammonium salt of imazapic
- » MCPA
- » dicamba
- » glyphosate

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

ALWAYS USE A DEDICATED HERBICIDE TANK FOR HERBICIDE TREATMENTS! NEVER USE A TANK THAT HAS CONTAINED HERBICIDES TO TREAT ORNAMENTAL PLANTS (EVEN IF TRIPLE-RINSED).

Trim-tect APPLICATION RATES

 TABLE 1 - Foliar Spray: Shrub Species and Rates for Vegetative Growth Control

PLANT	SCIENTIFIC NAME	RATE (fl. oz./gal)	RATE (fl. oz./100gal)
Abelia	Abelia x grandiflora	3.0 – 9.5	300 – 950
Alpine current	Ribes spp	3.0 – 6.5	300 – 650
Amur Maple	Acer spp.	6.5	650
Anise		6.5 – 13.0	650 – 1300
Arboricola	Shefflera arboricola	6.5 – 13.0	650 – 1300
Arborvitae	Thuja spp.	6.5 – 13.0	650 – 1300
Azalea	Rhododendron spp.	3.0 – 6.5	300 – 650
Barberry	Berberis spp.	3.0 – 6.5	300 – 650
Bottlebrush	Callistemon spp.	6.5 – 13	650 – 1300
Boston Ivy	Parthenocissus tricuspidata	3.0 – 6.5	300 – 650
Bougainvillea	Bougainvillea spp.	9.5 – 13	950 – 1300
Boxwood	Buxus spp.	6.0 – 9.5	600 – 950
Butterfly Bush	Buddleia spp.	1.5 – 6.5	150 – 650
Buttonwood	conocarpus	9.5 – 13	950 – 1300
Natal Plum	Carissa macrocarpa	6.5 – 13	650 – 1300
Camellia	Camellia spp.	6.5 – 9.5	650 – 950
Cherry Laurel, English Laurel, Portuguese Laurel & Skip Laurel	Prunus spp.	6.5 – 9.5	650 – 950
Chokeberry	Aronia melanocarpa	6.5 – 9.5	650 – 950
Cleyera	Ternstroemia gymnanthera	6.5 – 13 (9.5)	650 – 1300(950)
Clusia / Pitch Apple	Clusia rosea	6.5 – 9.5	650 – 950
Cocoplum	Chrysobalanus icaco	9.5 – 13	950 – 1300
Copperleaf	Acalypha wilkesiana		DO NOT TREAT
Cotoneaster	Cotoneaster spp.	3.0 – 6.5	300 – 650
Cotoneaster-Willow Leaf	Cotoneaster spp.	3.0 – 9.5	300 – 950
Creeping Fig	Ficus pumila, Ficus repens	4.5 – 9.0	450 – 900
Dogwood	Cornus Sericia	4.5 – 6.5	450 – 650
Duranta-goldmound	Duranta repens	6.5 – 13.0	650 – 1300
Elaeagnus	Elaeagnus pungens	9.5 – 13.0	950 – 1300
English Ivy	Hedera spp.	3.0 – 6.5	300 – 650
Escallonia	Escallonia spp.	9.5 – 13	950 – 1300
Eugenia (Surinam Cherry)	Eugenia myrtifolia	6.5 – 9.5	650 – 950
Euonymus-Manhattan	Euonymus spp.	9.5 – 13	950 – 1300
Euonymus-Winged	Euonymus alatus	6.5 – 9.5	650 – 950
Euonymus-Wintercreeper	Euonymus fortuni/collartis	9.5	950

PLANT	SCIENTIFIC NAME	RATE (fl. oz./gal)	RATE (fl. oz./100gal)
Euonymus-Green/Gold	Euonymus japonicus 'Aureovarie-		
Spot	gatus'	6.5 – 9.5	650 – 950
Ficus	Ficus benjamina	9.5 – 13	950 – 1300
Ficus - Green Island	Ficus microcarpa	9.5 – 13	950 – 1300
Firebush	Hamelia patens	9.5 – 13	950 – 1300
Firecracker plant	Russelia equisetiformis	6.5 – 13.0	650 – 1300
Forsythia	Forsythia spp.	6.5 – 9.5	650 – 950
Hibiscus - Tropical	Hibiscus spp.	6.5 – 9.5	650 – 950
Holly-Burford	llex spp.	6.5 – 13.0	650 – 1300
Holly-Youpon	llex spp.	6.5 – 9.5	650 – 950
Holly-Nellie Stevens	llex spp.	6.5 – 13.0	650 – 1300
Holly-Fosters	llex spp.	6.5 – 13.0	650 – 1300
Holly-Japanese/Helleri	llex spp.	6.5 – 13.0	650 – 1300
Honeysuckle	Lonicera spp.	3.0 – 6.5	300 – 650
Honeysuckle-Vine	Lonicera spp.	4.5 – 6.5	450 – 650
Hydrangea	Hydrangea spp.	6.5 – 9.5	650 – 950
Hydrangea-vine	Hydrangea anomala	4.5 – 6.5	450 – 650
Ice Plant	Delosperma spp.	6.5 – 9.5	650 – 950
Indian Hawthorne (Rhaphiolepis)	Raphiolepsis indica	9.5 – 13	950 – 1300
ltea	Itea virginiana	3.0 – 6.5	300 – 650
lxora	Ixora coccinia	9.5 – 13	950 – 1300
Japanese Blueberry	Elaeocarpus decipiens	9.5 – 13	950 – 1300
Jasmine-Asiatic/Star (ground cover)	Trachelospermum asiaticum	4.5 – 9.5	450 – 950
Jasmine-Downy	Jasmine multiflorum	6.5 – 13	650 – 1300
Jasmine-Pinwheel	Tabrnaemontana divaricata		
Jasmine-Confederate (vine)	Trachelospermum jasminoides	6.5 – 9.5	650 – 950
Juniper	Juniperus	9.5 – 13	950 – 1300
Kinnikinnick or bearberry	Arctostaphylos	4.5 – 9.5	450 – 950
Lantana	Lantana camara	3.0 – 6.5	300 – 650
Lilac	Syringa vulgaris	6.5 – 9.5	650 – 950
Lilac x hyacinthiflora	Syringa x hyacinthiflora	6.5 – 9.5	650 – 950
Lilac-Korean	Syringa myeri	3.0 – 6.5	300 – 650
Lilac-Miss Kim	Syringa patula	3.0 – 6.5	300 – 650
Loropetalum	Loropetalum chinensis	6.0 – 9.5	600 – 950

Trim-tect APPLICATION RATES

PLANT	SCIENTIFIC NAME	RATE	RATE
	5	(fl. oz./gal)	(fl. oz./100gal)
Mexican Petunia	Ruellia brittoniana		DO NOT TREAT
Mockorange	Philadelphus spp.	6.5 – 10	650 – 1000
Nandina	Nandina domestica	4.5 – 6.5	450 – 650
Ninebark	Physocarpus spp.	1.5 – 4.5	150 – 450
Oleander	Nerium spp.	9.5 – 13	950 – 1300
Oleander Dwarf	Nerium spp.	6.5 – 13	650 – 1300
Orange Jasmine (False Jasmine)	Murraya paniculata	1.5 – 9.5	150 – 950
Peanut-perrennial	Arachis glabrata		DO NOT TREAT
Photinia	Photinia fraseri	9.5 – 13	950 – 1300
Pittosporum	Pittosporum spp.	6.5 – 13.0	650 – 1300
Plumbago	Plumbago auriculata	6.5 – 13	650 – 1300
Podocarpus	Podocarpus spp.	9.5 – 13	950 – 1300
Potentilla		1.5 – 3.0	150 – 300
Privet	Ligustrum japonicum	9.5 – 13	950 – 1300
Privet-California	Ligustrum ovalifolium	9.5 – 13	950 – 1300
Pyracantha	Pyracantha spp.	6.5 – 9.5	650 – 950
Rhododendron	Rhododendron spp.	3.0 – 6.5	300 – 650
Rose	Rosa spp.	3.0 – 9.5	300 – 950
Rose-Knock-Out	Rosa spp.	3.0 – 9.5	300 – 950
Rose-Drift	Rosa spp.	3.0 – 9.5	300 – 950
Rose-Hybrid Tea	Rosa spp.	3.0 – 9.5	300 – 950
Rose-Rugosa	Rosa spp.	3.0 – 9.5	300 – 950
Rose of Sharon	Hibiscus syriacus	1.5 – 6.5	150 – 650
Rosemary	Rosmarinus	3.0 – 6.5	300 – 650
Schefflera	Shefflera arboricola	6.5 – 13.0	650 – 1300
Sea grape	Coccoloba uvifera	9.5 – 13	950 – 1300
Spirea-Gold Mound	Spirea x bulmadi	1.5 – 3.0	150 – 300
Spirea-Vanhouttei (Bridal Wreath)	Spirea spp.	3.0 – 6.5	300 – 650
Spirea-little princess	Spirea japonicum	1.5 – 3.0	150 – 300
Strawberry tree	Arbutus unedo	6.5 – 13	650 – 1300
Sumac - Fragrant	Rhus Aromatica	6.0 – 9.5	600 – 950
Texas Sage (TX Ranger)	Leucophyllum frutescens	6.5 – 13	650 – 1300
Trifoliate Orange	Poncirus trifoliata	9.5 – 13	950 – 1300
Viburnum (highbush cranberr	· · · · · · · · · · · · · · · · · · ·	6.5 – 9.5	650 – 950

PLANT	SCIENTIFIC NAME	RATE (fl. oz./gal)	RATE (fl. oz./100gal)
Viburnum-mohican	Viburnum lantana	6.5 – 13	650 – 1300
Viburnum-arrowwood	Viburnum dentatum	6.5 – 9.5	650 – 950
Viburnum oddoratissum	Viburnum oddoratissum	6.5 – 13	650 – 1300
Viburnum-Sweet Virbunum	Viburnum suspensum	6.5 – 13	650 – 1300
Virbunum-awabuki	Viburnum	9.5 – 13	950 – 1300
Viburnum - leatherleaf	Viburnum rhytidiophyloides	9.5 – 13	950 – 1300
Viburnum Walters 'Mrs. Shillers'	Viburnum obovatum	6.5 – 13	650 – 1300
Vinca (periwinkkle)	Vinca minor	1.5	150
Wax Myrtle	Marella cerifera	6.5 – 13	650 – 1300
Weigela	Weigela florida	3.0 – 6.5	300 – 650
Winter Jasmine	Jasminum nudiflorum	6.5 – 9.5	650 – 950
Xylosma	Xylosma congestum	6.4 (CA) – 13	640 (CA) – 1300
Yew	Taxus spp.	6.5 – 13	650 – 1300

 TABLE 1 - Foliar Spray: Annual and Perennial Species and Rates for Vegetative Growth Control

PLANT	SCIENTIFIC NAME	RATE (fl. oz./gal)	RATE (fl. oz./ 100 gal)
Aster	Aster spp.	-	
Astilbe	Astilbe spp.		
Bee Balm	Monarda spp.		
Black-Eyed Susan	Rudbeckia hirta		
Cone flower	Echinacea spp.		
Chrysanthemum	Chrysanthemum spp.		
Foxglove	Digitalis spp.	45.20	450 200
Garden Phlox	Phlox paniculata		
Gaura	Gaura lindheimeri		
Globe Thistle	Echinops ritro	1.5 – 3.0	150 – 300
Hosta	Hosta spp.		
Hydrangea	Hydrangea spp.		
Ligularia	Ligularia spp.		
Peony	Peonia spp.		
Russian Sage	Perovskia atriplicifolia		
Salvia	Salvia spp.		
Sedum 'Autumn Joy'	Sedum 'Autumn Joy'		
Yellow Loosestrife	Lysimachia punctata		



Foliar Application Guide



Technical Support:

1-877-272-6747

www.treecarescience.com

