

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

David L. Anderson Director of Regulatory Affairs Rainbow Treecare Scientific Advancements 11571 K-Tel Drive Minnetonka, MN 55343

JUN 26 2009

SUBJECT:

Applications for Pesticide Notification – Update Labels per PR Notice 2007-4

Cambistat[™] 2SCII Plant Growth Regulator for Trees

EPA Reg. No. 74779-3

Application Dated May 4, 2009

✓ RTSA Shrub Growth Regulator

EPA Reg. No. 74779-7

RTSA IVM Specialty Herbicide (Sightline)

EPA Reg. No. 74779-8

Applications Dated May 6, 2009

Dear Mr. Anderson:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4 for the above products. The Registration Division (RD) has conducted a review of these requests for their applicability under PRN 2007-4, and finds that the label changes requested fall within the scope of this PRN. The labels have been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on <u>nonrefillable</u> containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

Pr. ase read instructions or	reverse before comple	ting form.		Form Approve	d. OMB No. 2	070-0060	. Approval expires 2-28-95				
\$EPA	Environmenta	nited States Protection		✓	Registrate Amendn Other		OPP Identifier Number				
Application for Pesticide - Section I											
1. Company/Product Numb 74779-7	97		2. EPA Product Manager Tony Kish		3. Proposed Classification None Restricted						
4. Company/Product (Name) RTSA Shrub Growth Regulator			PM# 22								
5. Name and Address of A	pplicant (Include ZIP Co	de)	6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3)								
Rainbow Treecare Scientific Advancements 11571 K-Tel Drive Minnetonka, MN 55343			(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No								
	is is a new address		JUN 2 6 2009								
	· · · · · · · · · · · · · · · · · · ·		Section - II								
Amendment - Explain Resubmission in resubmission - Explain	sponse to Agency letter	dated		Final printed lab Agency letter da "Me Too" Appli Other - Explain I	ated cation.	to					
Explanation: Use additi Notification of label change regulations at 40 CFR §§ 1 Formula for this product. It amended label is not consi FIFRA and I may be subject	per PR Notice 2007-4. T 56.10, 156.140, 156.144, understand that it is a viol stent with the requiremen	his notification is 156.146, and 15 ation of 18 U.S.C ts of 40 CFR §§	consistent with the 6.156. No other cha . Sec. 1001 to willfu 156.10, 156.140, 15	anges have been ully make any fals 56.144, 156.146, a	made to the lab se statement to E	eling or the EPA. I furth	e Confidential Statement of er understand that if the				
			Section - III								
1. Material This Product W	fill Be Packaged In:										
Child-Resistant Packaging Yes ✓ No * Certification must If "Yes" Unit Packaging No. per Unit Packaging wgt.			Water Soluble Packaging Yes ✓ No If "Yes" No. per Package wgt Container		2. Type of C	of Container Metal Plastic Glass Paper Other (Specify)					
be submitted				L							
3. Location of Net Content ✓ Label	s Information Container	4. Size(s) Retai	i Container uart to 55 gallons	l r .	ocation of Labo On label	el Direction	าร				
6. Manner in Which Label is Affixed to Product Paper glued Stenciled											
			Section - IV	1							
1. Contact Point (Complet	e items directly below f	or identification	of individual to be	contacted, if ne	cessary, to pro	cess this	application.)				
Name David L. Anderson		1.	Title Director of Regulatory Affairs			Telephone No. (Include Area Code) 952-252-0541					
I certify that the stat I acknowledge that a both under applicabl	ements I have made on any knowlinglly false or e law.	Certificati this form and a misleading state	I attachments the	reto are true, acc shable by fine o	curate and con	plete.	6. Date Application Received (Stamped)				
2. Signature David Landurso		"	Director of Regulatory Affairs			, , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,				
4. Typed Name		5.	Date								
David L. Anderson			May 6, 2009))))				



May 7, 2009

Document Processing Desk [NOTIF]
Office of Pesticide Programs (7504P)
Registration Division
US Environmental Protection Agency
One Potomac Yard
2777 South Crystal Drive (South Building)
Arlington, VA 22202

ATTENTION: Tony Kish

Product Manager, Team 22

SUBJECT:

Rainbow Treecare Scientific Advancements

RTSA Shrub Growth Regulator

(EPA Reg. No. 74779-7)

Notification

Dear Mr. Kish:

Rainbow Treecare Scientific Advancements is submitting a notification to update the Storage and Disposal statement for our RTSA Shrub Growth Regulator (EPA Reg. No. 74779-7) per PR Notice 2007-4.

I am submitting one (1) clean copy of draft labeling for your review and acceptance along with one (1) marked copy that tracks the changes that were made. If you have any questions, please contact me either by phone at 952-252-0541 or by email at danderson@treecarescience.com.

Sincerely,

David Anderson

Director of Regulatory Affairs

Rainbow Treecare Scientific Advancements

11571 K-Tel Drive

Minnetonka, MN 55343

Enclosures:

www.treecarescience.com

11571 K-Tel Drive Minnetonka, MN 55343 office 952.922-3810 fax 952.252-0504

Scientifically Proven Products with Predictable Results

5/4/2009

NOTIFICATION

RTSA SHRUB GROWTH REGULATOR

JUN 2 6 2009

Active Ingredient:

Paclobutrazol (R*, R*)-(\pm)- β -[(4-chlorophenyl)

Methyl]- α -(1,1-dimethylethyl)-

1H-1,2,4-triazole-1-ethanol 8.0%

Other Ingredients: 92.0%

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. No.

Net Contents:

Rainbow Treecare Scientific Advancements 2239 Edgewood Ave. South Minneapolis, MN 55426 1-877-ARBORIST 1-877-272-6747

www.rainbowscivance.com

FIRST AID						
IF SWALLOWED	 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	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	 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 cogoing for treatment.	ntainer or label with you when calling a poison control center or doctor or					

HOT LINE NUMBER

For 24 hour medical emergency assistance (human or animal), or chemical emergency assistance (spill, leak 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.

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DIRECTIONS FOR USE

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

AGRICULTURAL USE REOUIREMENTS

Use this product only in accordance with its labeling and with the Worker I 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.

RTSA Shrub Growth Regulator is a growth regulator that provides vegetative growth suppression of woody plants or shrubs in outdoor non-crop areas, including residential areas, inurseries, national and private wooded and forested 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

RTSA Shrub Growth Regulator 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. RTSA Shrub Growth Regulator 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 RTSA Shrub Growth Regulator from the terminal shoots of the treated plant.

RTSA Shrub Growth Regulator is also absorbed by the root system when applied as a basal drench. Basal drench treatments of RTSA Shrub Growth Regulator are effective in inhibiting the growth of upright growing woody ornamentals, such as shrubs and small trees less than 3 inches in DBH.

The dosage rates listed below are guidelines. Certain species respond more or less to RTSA Shrub Growth Regulator. 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 RTSA Shrub Growth Regulator on a small number of plants for each species.

NOTE:

- Do not treat flowering dogwood, red bud, or sweet gum.
- Use caution when treating maples, lindens, and elms less than 10 inches in diameter.
- Applications at higher dosage rates may leave a white residue on the plant foliage. Take precaution when treating around sidewalks, driveways, buildings, decks,

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- fences, vehicles, or other structural surfaces as staining may occur. Wash immediately with water if product lands on these surfaces.
- Take extra precaution to minimize application to non-target plants as growth regulation may occur on non-target plants that come into contact with RTSA Shrub Growth Regulator.

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 RTSA Shrub Growth Regulator from the plant and can decrease the amount of growth reduction.

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

For plants listed in group A, mix 1.6 fl. oz. (47 ml) of RTSA Shrub Growth Regulator in 1 gallon (3.8 L) of water.

For plants listed in group B, mix 3.2 oz. (95 ml) of RTSA Shrub Growth Regulator in 1 gallon (3.8 L) of water.

For more difficult plants listed in group C, mix 6.4 fl. oz. (190 ml) in 1 gallon (3.8 L) of water.

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

Group A	Group B Barberry	Group C					
Azalea		Alpine Currant	Euonymous	Ixora	Rhaphiolepis		
ltea	Cherry Laurel	Ash	Ficus	Maple	Viburnum		
Ninebark Rose of	Ice Plant	Bougainvillea	Firebush	Oak Orange			
Sharon	Lilac	Callistemon	Forsythia	Jasmine			
	Rhododendron	Cotoneaster	Hibiscus	Plumbago			
	Spirea	Crabapple	Holly	Privet			
		English Ivy	Honeylocust	Redbud			

<u>Basal Drench</u> (Recommended for upright growing woody ornamental shrubs and trees less than 3" DBH).

Mix 1 part RTSA Shrub Growth Regulator with 11 parts water. Dig a shallow farrow that is 2" deep x 5" wide at the base of the stem cluster and apply uniformly to each stem within the cluster. Applications can be made when soils are not frozen or saturated with water.

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Norway Maple, Red Maple, Sweet Gum, Japanese Maple, Crabapple: Apply 2.5 fl. oz (75 ml) of diluted solution per cumulative diameter inch (0.5 gram a.i.

cumulative diameter inch)

Bur Oak, White Oak, and Live Oak: Apply 5 fl oz (150 ml) of diluted solution per cumulative diameter inch (1.0 gram a.i. cumulative diameter inch)

Red Oak and Honeylocust: Apply 10.1 fl oz (300 ml) of diluted solution per cumulative diameter inch (2.0 grams a.i. cumulative diameter inch)

Pine, Spruce, Ash, Cedar, Arborvitae, Upright Yew, Ornamental Pear, Palm: Apply 15.2 fl oz (450 ml) of diluted solution per cumulative diameter inch (3.0 grams a.i. cumulative diameter inch)

Growth Suppression of Low Maintenance Woody 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 RTSA Shrub Growth Regulator from the plants and can decrease the amount of growth reduction.

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 Broadleaf Perennial Grasses, and Annual and Broadleaf Weeds, Woody Plants and Vines

RTSA Shrub Growth Regulator can be tank mixed with commonly used herbicides such as triclopyr, imazapyr, picloram, dikegulac, ammonium salt of imazapic, MCPA, dicamba, and glyphosate to provide longer residual control of certain annual and perennial broadleaf weeds, woody plants, vines and woody invasive species such as Kudzu that are growing around commercial, residential and right of way areas.

RTSA Shrub Growth Regulator can also be tank mixed with herbicides to provide more persistent control for spot treatments 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.

Tank mix 1-4 parts RTSA Shrub Growth Regulator 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.

GENERAL PRECAUTIONS

- Do not use 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
- Assure 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 mow treated turf for at least three days following application
- 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.
- Do not apply more than (11 qts per acre per year (2 lbs. ai/A)
- Do not graze treated areas or harvest for forage or hay.
- 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.

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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 MAKES NO WARRANTIES OF MERCHANABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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NOTIFICATION
JUN 2 6 2009

OPTIONAL MARKETING CLAIMS

Reduce [mowing,] [trimming,] [pruning,] [cutting,] [spraying,] [chemical,] [labor,] [equipment] and [other] [maintenance] costs.

Saves time and money.

Reduces growth.

Reduces biomass.

Extends [trimming] [pruning] cycle time.

Protect investment by controlling growth.

Increase(s) pruning efficiency.

Enhances plant appearance and quality.

RTSA Plant Growth Regulator.

Vegetation management of invasive species.

Kudzu Control.

Prune less

Can be tank-mixed with commonly used herbicides to increase the duration and persistence of the control of weed and invasive species.