



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 21, 2022

David Anderson
Director, Regulatory Affairs
Rainbow Trecare Scientific Advancements D/B/A Rainbow Ecoscience
11571 K-Tel Drive
Minnetonka, MD 55343

Subject: Label Amendment – Drop All Spray Uses-Restrictions and Addition of Use Restriction for Total Amount of Product Applied Per Day (CDPR Acephate Mitigation Plan)
Product Name: Acephate Systemic Tree & Ornamental Insecticide
EPA Registration Number: 74779-6
Application Date: July 17, 2020
Decision Number: 571457

Dear David Anderson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

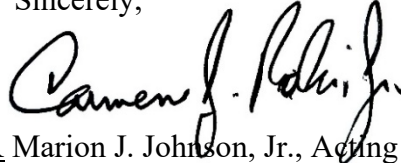
A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Page 2 of 2
EPA Reg. No. 74779-6
Decision No. 571457

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Mr. Carmen J. Rodia, Jr. by phone at (703) 306-0327, or via email at Rodia.Carmen@epa.gov.

Sincerely,



FOR Marion J. Johnson, Jr., Acting Product Manager 10
Invertebrate & Vertebrate Branch #2
Registration Division (7505P)

Enclosure: Stamped "Accepted" Master Label, January 21, 2022

Acephate Systemic Tree & Ornamental Insecticide

[ABN: Lepitect™ Systemic Tree & Ornamental Insecticide]

**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

Acephate Systemic Tree & Ornamental Insecticide is absorbed through the plant root system and then moves throughout the plant, protecting it from the damage caused by sucking insects (aphids, lace bugs, leafhoppers, and thrips) and certain chewing insects (leafminers, leaf beetles, leaf tiers, and caterpillars) as listed.

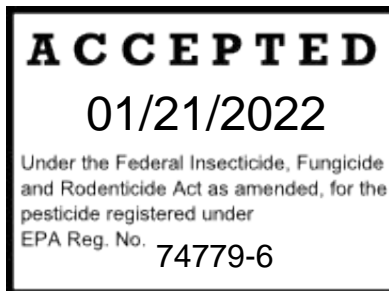
Active Ingredient	
Acephate (O,S-Dimethyl acetylphosphoramidothioate).....	97.4%
Other Ingredients.....	2.6%
Total	100%

EPA Reg. No. 74779- 6

EPA Est. No.

Net Contents: 283.5 g (10 oz)

Rainbow Treecare Scientific Advancements
DBA Rainbow Ecoscience
11571 K-Tel Drive Minnetonka, MN 55343
1-877-ARBORIST
1-877-272-6747
www.Rainbowecoscience.com



FIRST AID: Acephate is an organophosphate, cholinesterase inhibitor	
IF SWALLOWED	<ul style="list-style-type: none"> • Call 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 poison control center or doctor immediately for treatment advice.
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 poison control center or doctor immediately for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call poison control center or doctor immediately for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For Chemical Emergency, Spill, Leak, Fire or Accident, call CHEMTREC twenty-four (24) hours per day seven (7) days per week within the USA and Canada at 1-800-424-9300.	
NOTES TO PHYSICIAN	
This material contains a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure but decisions regarding treatment will usually need to be made before test results are available. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (PROTOPAM) is also antidotal and may be used in conjunction with atropine but should not be used alone.	

**PRECAUTIONARY STATEMENT
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants;
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber (includes natural rubber blends and laminates) ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or viton ≥ 14 mil;
- Shoes plus socks

In addition, all mixers and loaders and all applicators using low pressure hand wand application equipment must wear:

- A NIOSH approved particulate facepiece respirator with any N, R or P filter with NIOSH approval number prefix TC-84A or a NIOSH approved powered air-purifying respirator with HE filter with NIOSH approval number prefix TC-21C.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, 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/PPE 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

This pesticide is toxic to birds. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean water high mark. Do not contaminate water when cleaning equipment or disposing of wastes. Cover or soil-incorporate spills.

POLLINATOR ADVISORY

Product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- **California:** Maximum application rate in California must not exceed 15.5 lbs of this product per day per applicator.
- 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.
- Do not apply this product through any type of irrigation system.
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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 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 24 hours.

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: coveralls, waterproof gloves, shoes plus socks.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

MIXING INSTRUCTIONS

Thoroughly clean all application components prior to mixing. Add approximately ½ of the required amount of water to the application tank and begin agitation. Add the required amount of Acephate Systemic Tree & Ornamental Insecticide and mix thoroughly. Then add other additives and the remaining water. Maintain agitation during filling and application to ensure uniform mixture.

For application equipment that has minimal agitation, give proper attention when mixing this product. With such equipment, premix this product with water to form a slurry prior to putting the product into the applicator. If premixing is not done, then allow adequate time for the product to dissolve in the water prior to beginning applications.

ORNAMENTAL TREES AND SHRUBS - SOIL APPLICATION

PLANTS	INSECTS	AMOUNT OF PRODUCT	APPLICATION TIMING	APPLICATION DIRECTIONS	USE RESTRICTIONS
Ornamental Trees and Shrubs	Aphids Bagworm Black vine weevil Budworm Cankerworm Carpenterworm Cuban Laurel Thrips Gall Forming Insects	For trees up to 15 inches in trunk diameter (DBH) use 1/5 oz (5.7 g) per DBH inch One 10 oz packet will treat 50 inches of	Make applications to actively growing plants just prior to or when insects first appear.	For optimal uptake, irrigate the treated area after treatment to promote absorption into the root system. Applications to dry soil may decrease performance.	Do not apply more than once per month. Do not apply to areas where food crops are grown (i.e., vegetable gardens, fruit

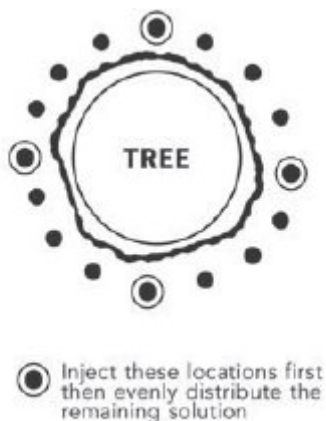
	Gypsy Moth (larvae) Japanese Beetle Lacebugs Leaf Beetles Leafhoppers Leafminers Leafrollers Leaf-tier (larvae) Lepidoptera (larvae) Loopers Maple Shoot Moth Oakworm Pine Coneworm Pine Tip Moth (larvae) Plant bugs Sawflies Scales Spider Mites Tent Caterpillar Tiger moth (larvae) Tussock Moth (larvae) Webworm Winter moth (larvae) Whitefly Zimmerman Pine Moth (larvae)	trunk diameter (DBH) For trees 15 DBH inches or greater use 1/5 oz (5.7 g) to 2/5 oz (11.3 g) per DBH inch. One 10 oz packet will treat 25 to 50 inches of trunk diameter (D.B.H) Dilute 1 packet (10 oz) in up to 25 gallons of water.		Rainbow Treecare Scientific Advancements does not recommend applications be made to Huckleberry, Balm of Gilead, Cottonwood, Lombardy Poplar, and Viburnum suspensum. Caution: Phytotoxicity has occurred on the following crabapple varieties: Hopa, Ichonoski, Malusfloribunda, Pink Perfection, Red Wine, and Snow Cloud.	trees, berry vines, etc.), children's play areas, or animal runs. Do not apply more than 5 lb. of product per acre per application. Do not apply more than 6 lbs of product per acre per year. California Users: Maximum application rate in California must not exceed 15.5 lbs of this product per day per applicator.
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SOIL APPLICATION METHODS

Pull back landscape mulch, landscape fabric and surface organic matter prior to making soil applications to ensure solution is delivered to the mineral soil.

Measure the diameter of the tree at breast height (DBH), 4'6" above the soil line. For multi-stemmed trees and shrubs, use the cumulative diameter of individual stems at soil line instead of DBH.

Basal Soil Injection: Mix required dosage in sufficient water to inject an equal amount of solution in each hole. For trees less than 8 inches DBH, use a minimum of 4 injection sites per tree. Space injection sites evenly around the base of the tree no more than 12 inches out from the base. Maintain a low pressure and inject into the mineral soil to a depth of two (2) to six (6) inches. Dilution rate may vary depending on equipment used and tree size. Refer to the injector equipment instructions for guidance.



Grid System: For trees less than 15 DBH inches, use 1/5 oz (5.7g) per 100 sq. ft. of area under the dripline of the trees or shrubs. Dilute ¼ lb (4 oz) (113.4 g) of product in 8 gallons of water to treat 2000 sq. ft. of area under the dripline of the tree or shrub. For trees 15 DBH inches or greater, use 1/5 oz (5.7g) to 2/5 oz (11.4 g) per 100 sq. ft. of area under the dripline of the trees or shrubs. Dilute ¼ lb (4 oz) (113.4 g) to ½ lb (8 oz) (226.8 g) of product in 8 gallons of water to treat 2000 sq. ft. of area under the dripline of the tree or shrub. Make a minimum of four (4) injections per 25 sq ft. of area under the tree of shrub, using a grid pattern. Apply at least six (6) oz of dilute solution per injection site. Maintain a low pressure and inject to a depth of six (6) inches.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE

Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. Protect from excessive heat. Do not store near feed, food or foodstuffs.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited.

CONTAINER DISPOSAL

Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Note: This product is sold by weight. Settling may have occurred during shipment.

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.

The Directions for Use of this product must be followed 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 ECOSCIENCE 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 ECOSCIENCE and seller harmless for any claims relating to such factors.

RAINBOW ECOSCIENCE 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. This warranty does not extend to the use of the product contrary to label instructions, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, RAINBOW TREECARE MAKES NO WARRANTIES OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the fullest extent permitted by law, RAINBOW ECOSCIENCE or Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF RAINBOW ECOSCIENCE OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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Committed to advancing the science of tree care.

Committed to bringing tools inside protocols that get predictable results for the arborist practitioner.

