

NET CONTENTS: 1 Quart  
(946 ml)

GROUP 7C INSECTICIDE

# Proxite™

## INSECT GROWTH REGULATOR

Active Ingredient	By Wt
*Pyriproxyfen.....	11.23%
Other Ingredients.....	88.77%
Total.....	100.00%

\*2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine  
Contains 0.86 pound a.i. per gallon.  
Contains aromatic petroleum distillates.

EPA Reg. No. 59639-96-74779  
EPA Est. No. 228-IL-004

### KEEP OUT OF REACH OF CHILDREN CAUTION

SEE INSIDE FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

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### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### CAUTION

Causes skin and eye irritation. Do not get on skin, in eyes or on clothing. Harmful if inhaled, swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### FIRST AID

- 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 further 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.
- If swallowed:**
- Immediately call a poison control center or doctor.
  - Do not induce vomiting unless told to do so by a poison control center or doctor.
  - Do not give any liquid to the person.
  - Do not give anything by mouth to an unconscious person.
- In inhaled:**
- Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further 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. You may also contact CHEMTREC at 800-424-9300 for emergency medical treatment information.

#### NOTE TO PHYSICIANS

If ingested, probable mucosal damage may contraindicate the use of gastric lavage. This product contains a light hydrocarbon liquid; ingestion or subsequent vomiting can result in aspiration of this product, which can cause pneumonitis.

Manufactured for:  
Rainbow Treecare Scientific Advancements  
11571 K-Tel Dr  
Minnetonka, MN 55343



TECH SUPPORT: 877-272-6747

### 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 G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** coveralls over short-sleeved shirt and short pants or long-sleeved shirt and long pants, chemical-resistant gloves, such as Barrier Laminate or Viton  $\geq$  14 mils, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, chemical-resistant apron when cleaning equipment, mixing or loading.

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

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters or rinsate.

### DIRECTIONS FOR USE

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

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

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.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

### DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

**IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.**

### RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Rainbow Treecare Scientific Advancements. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Rainbow Treecare Scientific Advancements shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

### LIMITED WARRANTY

Rainbow Treecare Scientific Advancements warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label **and subject to the Risks of Using This Product as described above. EXCEPT AS SET FORTH ABOVE, RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS MAKES NO OTHER WARRANTIES,**

(continued)

**EITHER EXPRESSED OR IMPLIED.** No agent or representative of Rainbow Treecare Scientific Advancements or Seller is authorized to make or create any other express or implied warranty.

#### **LIMITATION OF LIABILITY**

**In no event shall Rainbow Treecare Scientific Advancements or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, 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 THIS PRODUCT OR, AT THE ELECTION OF RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

#### **PROMPT NOTICE OF CLAIM**

Rainbow Treecare Scientific Advancements must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made. If Buyer does not notify Rainbow Treecare Scientific Advancements of any claims, in such period, it shall be barred from obtaining any remedy.

#### **NO AMENDMENTS**

Rainbow Treecare Scientific Advancements and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty** and **Limitation of Liability**, which may not be modified by any oral or written agreement.

#### **TANK MIX**

**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.**

Read and follow the entire label of each product to be used in the tank mix with this product.

#### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management purposes, Proxite Insect Growth Regulator is a Group 7C insecticide. Any insect population may contain individuals naturally resistant to Proxite Insect Growth Regulator and other Group 7C insecticides. The resistant individuals dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by Proxite Insect Growth Regulator or other Group 7C insecticides, although local experts should be consulted for local resistance recommendations. The classification scheme is based on mode of action. It is recognized that resistance of insects and mites to insecticides and acaricides can also result from enhanced metabolism, reduced penetration or behavioral changes that are not linked to any site of action classification but are specific for individual chemicals or chemical groupings. Despite this, alternation of compounds from different chemical classes remains a viable management technique.

To delay insecticide resistance

- Avoid exclusive repeated use of insecticides from the same chemical subgroup.
- Integrate other control methods (chemical, cultural, biological) into insect control programs.

For further information contact your local Pest Control Advisor (PCA).

#### **PRODUCT INFORMATION**

For control of insects including whiteflies and scales in outdoor ornamentals, including ground covers, shrubs and ornamental trees, non-bearing fruit and nut trees.

Proxite Insect Growth Regulator affects all pest insect life stages, including eggs, nymphs/larvae, pupae and adults. Proxite Insect Growth Regulator does not control adults, but greatly reduces their production of viable eggs due to its strong transovarial activity. In whitefly, transovarial activity begins within one day after adults contact or ingest Proxite Insect Growth Regulator residues. Proxite Insect Growth Regulator is also ovicidal and inhibits metamorphosis of nymphs, larvae and pupae into adults. Since Proxite is an Insect Growth Regulator (IGR), activity depends on the insect's development. Therefore, evidence of activity may be slower than with typical contact insecticides, especially when large numbers of late instars are present at time of application.

Proxite Insect Growth Regulator also has strong translaminar activity on a variety of ornamental plants, including poinsettia, hibiscus, gerbera daisy and chrysanthemums. Proxite Insect Growth Regulator residues applied to the upper leaf surface will rapidly penetrate the leaf cuticle, and can subsequently be ingested by immature and adult insects feeding on the lower leaf surface (e.g. whitefly). Therefore, even in cases where it is difficult to achieve thorough under leaf spray coverage, Proxite Insect Growth Regulator can still provide highly effective control.

**Proxite Insect Growth Regulator is intended for use in Integrated Pest Management (IPM) or Insect Resistance Management (IRM) programs. Proxite Insect Growth Regulator will not control adult insects, and it is recommended to be used in combination and/or rotation with other IPM or IRM materials. Contact your local state extension service for details.**

(continued)

## PLANT TOLERANCE

**IMPORTANT:** The large number of existing ornamental varieties and cultivars coupled with the constant introduction of new varieties makes it impossible to field test Proxite Insect Growth Regulator in every locale where sold or in all of the combinations created by these differences. These differences include the soil or media type, pH, moisture or fertility, environmental conditions such as temperature, lighting or degree-days and horticultural practice and the manner of use and application of this product.

To ensure that Proxite Insect Growth Regulator is compatible with the variety or cultivar under your specific conditions, test the product on a limited scale and observe for phytotoxicity for two weeks before making large scale applications. Phytotoxicity has been observed on the following plants: *Salvia* (*Salvia* spp.), Ghost Plant (*Graptopetalum paraguayense*), Boston Fern (*Nephrolepis exaltata*), Schefflera (*Schefflera* spp.), Gardenia (*Gardenia* spp.) and Coral Bells (*Heuchera sanguinea*). It is therefore recommended that Proxite Insect Growth Regulator not be used on these plants. Do not apply to Poinsettia after bract formation.

## MIXING INSTRUCTIONS

Prepare no more spray mixture than is necessary for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate thoroughly before and during application. Flush spray tank thoroughly with clean water daily after use and dispose of pesticide rinsate by application to a previously treated area. Add 1/2 to 2/3 of the required amount of water to the spray or mix tank. With the agitator running, add the required amount of Proxite Insect Growth Regulator. Continue agitation while adding the remainder of the water. Begin application of the spray solution after Proxite Insect Growth Regulator has been added and completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

## CONVERSION CHART

Gallons of Mixture*									
Rate/100 Gals		Rate/50 Gals		Rate/25 Gals		Rate/10 Gals		Rate/5 Gals	
oz	ml	oz	ml	oz	ml	oz	ml	oz	ml
2	59	1	30	0.5	15	0.2	5.9	0.1	3.0
3	89	1.5	44	0.75	22	0.3	8.9	0.15	4.4
4	118	2	59	1.0	30	0.4	11.8	0.2	5.9
5	148	2.5	74	1.25	37	0.5	14.8	0.25	7.4
6	177	3	89	1.5	44	0.6	17.7	0.3	8.9
8	237	4	118	2.0	59	0.8	23.7	0.4	11.8
10	296	5	148	2.5	74	1.0	30.0	0.5	14.8
12	355	6	177	3.0	89	1.2	35.5	0.6	17.7

\*Determine the rate per 100 gallons from Table 1. Follow the proper rate across the row to determine how much to add for mixtures less than 100 gals.

## COMPATIBILITY

Proxite Insect Growth Regulator is compatible with most commonly used insecticides, fungicides and spray adjuvants. When using Proxite Insect Growth Regulator in tank mixes with other pesticides, observe all directions for use and precautions on the respective tank mix label. When making an application of a tank mix for the first time, it is recommended that a few plants be treated and observed for phytotoxicity for two to four weeks before making large scale applications.

## LOW VOLUME SYSTEMS

Proxite Insect Growth Regulator has been evaluated and shown to be effective for foliar applications when applied through Electrostatic Spraying Systems, PulsFog® Systems or other low volume systems. To calculate the amount of product to be applied, use the appropriate amount of Proxite Insect Growth Regulator for the square footage to be treated with spray as listed. The amount of carrier (water) is dependent on the amount needed for adequate coverage.

**Table 1. Directions for Use on Shrubs, Ornamentals, Flowering Plants, Foliage Plants, Ground Covers, Ornamental Trees, Non-Bearing Fruit, Nut Trees and Vines**

PESTS	RATES	APPLICATION METHOD	SPECIAL INSTRUCTIONS
<p>Aphids (suppression)                      Western Flower                      Thrips (suppression)                      Whiteflies including:                      Ficus Whitefly                      Giant Whitefly                      Greenhouse Whitefly                      Rugose Spiraling Whitefly                      Silverleaf Whitefly                      Sweetpotato Whitefly</p>	<p>6 to 8 fl oz/                      100 gals</p>	<p><b>Foliar Spray</b>                      100 gals of spray mix will treat                      20,000 sq ft of area.</p>	<p>Apply the spray mixture uniformly to all plant surfaces and to the point of runoff.</p> <p>Make first application when adult insects begin to appear. If necessary, make a second application from 14 to 28 days after the first application. If an additional application is needed less than 14 days after the first treatment, use an IGR (Insect Growth Regulator) with another mode of action or another chemical class of insecticide. Use lower rate and longer interval for newly established infestations and when plants are not rapidly flushing new growth. Use higher rates and shorter interval for established infestations and/or when plants are rapidly flushing new growth. Apply no more than two times per cropping cycle or no more than two times per six months. If rapid control of adult insects is required, apply a labeled adulticide.</p>
<p>Mealybugs                      (suppression)                      Scale including:                      Black Scale                      California Red Scale                      Euonymus Scale                      False Oleander Scale                      Florida Wax Scale                      Pine Needle Scale                      San Jose Scale                      Snow Scale                      Spotted Tentiform Leafminer</p>	<p>8 to 12 fl oz/                      100 gals</p>	<p><b>Foliar Spray</b>                      100 gals of spray mix will treat                      20,000 sq ft of area.</p>	<p>Apply the spray mixture uniformly to all plant surfaces and to the point of runoff.</p> <p>Target crawler stage when treating infestations of scale.</p>

**NOTE:** Since ornamental varieties are numerous, constantly changing, and may react differently to Proxite Insect Growth Regulator and tank mixtures including Proxite Insect Growth Regulator, test the product(s) on a small scale before making large scale applications. Phytotoxicity has been observed on the following plants: Salvia (*Salvia* spp.), Ghost Plant (*Graptopetalum paraguayense*), Boston Fern (*Nephrolepis exaltata*), Schefflera (*Schefflera* spp.), Gardenia (*Gardenia* spp.) and Coral Bells (*Heuchera sanguinea*). It is therefore recommended that Proxite Insect Growth Regulator not be used on these plants. DO NOT APPLY TO POINSETTIA AFTER BRACT FORMATION.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE

Store in a cool dry place.

Keep pesticide in original container.

Keep container closed when not in use.

Do not put concentrate or dilute into food or drink containers.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC at 800-424-9300.

### PESTICIDE DISPOSAL

Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL

Nonrefillable container. Do not reuse or refill this container.

Clean container promptly after emptying. 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 1/4 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 this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Manufactured for:

**Rainbow Treecare Scientific Advancements**

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